

The
CHEMIST AND DRUGGIST
 for RETAILER - WHOLESALER - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

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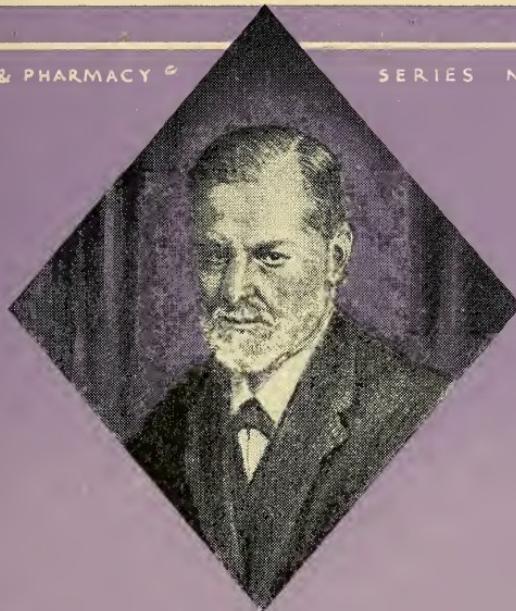
Annual Subscription (with
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SCIENCE & PHARMACY

SERIES NO. 33

1856

1939



SIGMUND
FREUD

CZECHOSLOVAKIA · AUSTRIA · FRANCE · BRITAIN

As liberation draws nigh to Czechoslovakia and Austria, it seems appropriate to include one of their famous men in our series; Freud, professor of Neurology at Vienna, born in Czechoslovakia and a pupil of the great Charcot, French neurologist. As the pioneer of the modern science of psycho-analysis, he founded a new school of thought and enriched our lives and our vocabulary.

Freud died in Britain, an honoured guest sheltered from the fascist homicidal criminals whose 'Oedipus Complexes' will require investigation when we begin our research into the causes of war.

BURGOYNE BURBIDGES

Established 1741. & COMPANY LIMITED. LONDON. E.6

A New Parke-Davis Product

THEELIN (Aqueous Suspension)

Theelin (Keto-hydroxyœstratriene)—the ovarian hormone first isolated from pregnancy urine by Dr. E. A. Doisy—is sparingly soluble in water and, hitherto, preparations for intra-muscular injection have usually been solutions of the hormone in oil. In Theelin (Aqueous Suspension) the œstrogenic hormone is *suspended* in normal saline solution, each c.c. containing 2 mgm. (20,000 International units). Thus a high dosage of œstrone is provided in small volume and in a well-tolerated vehicle.

Supplied in boxes of six 1 c.c. ampoules.

PARKE, DAVIS & CO.
50 Beak St., London, W.I.

Inc. U.S.A., Liability Ltd.

Even in wartime

We have found it possible greatly to improve the appearance of the Milton Dental Cream pack.

A completely new, modern, and up-to-the-minute tube protector, designed for us by Sir William Crawford & Partners Ltd., with a most attractive and sales-compelling appearance, is now available.

Our laboratories have also been experimenting with the flavour and consistency of the product, with the result that the new Milton Dental Cream has everything to make it a "best seller."

*Ask our representative to show you the
new pack, and try the product for yourself*

P.A.T.A.

MILTON ANTISEPTIC LTD.
CHAPEL LANE, SANDS, HIGH WYCOMBE, BUCKS.



Yes, Solution 'S.T. 37' repeats . . . and repeats. Its many uses, for open wounds, burns, scalds, and as a spray or gargle, ensure that every bottle is soon emptied. Because of the combined surface analgesic effect and the antiseptic action, chemists recommend it with confidence. Combining a soothing, analgesic effect with a high germicidal potency, Solution 'S.T. 37' is safe to use on delicate mucous membranes and on wounds. Its low surface tension allows it to penetrate deeply into minute tissue fissures and crevices.

Solution 'S.T. 37' is odourless, colourless and is harmless even if swallowed accidentally in full strength—an important feature in an antiseptic solution for home use.

Solution 'S.T. 37' provides a handsome profit . . . Supplied in bottles of 3, 5 and 12 fluid ounces. Sharp and Dohme, Ltd., Hoddesdon, Herts.

solution 'S.T. 37'

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EVANS

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NOVASORB

(Hydrated Magnesium Trisilicate)

For the treatment of
 Hyperacidity of the Stomach
 especially in ulcerative condition

Novasorb provides for sustained control over gastric hyperacidity without producing an alkaline condition in the stomach. It thus presents a desirable improvement over the older antacids, where control is limited to the immediate reaction and where continued administration of excess alkali may induce alkalosis.

HIGH ADSORPTIVE PROPERTIES
 WILL NOT GIVE RISE TO ALKALOSIS
 WITH SUITABLE DOSES, DOES NOT DESTROY
 PEPTIC ACTIVITY
 A SAFE ANTACID FOR GENERAL USE

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Powder - - - - -	2/-, 3/1, 10/-, and 40/-
Tablets of 20 grains - - -	1/8, 2/6 and 10/7

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FINE CHEMICALS ■ BIOLOGICALS ■ PHARMACEUTICALS



"I know it is difficult"

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SILATEX
SANTRON
MENSINOLE

Your customers continually ask for **SILATEX** and **SANTRON** and yet you cannot obtain sufficient supplies to meet the demand. We are doing our best to arrange distribution to wholesalers so that all Chemists obtain their fair share. The demand is ever increasing but the shortage of raw material is a matter we know you will understand.

There is no shortage of **RENDELLS** or **MENSINOLE** and all Wholesalers now have ample stocks, so continue to display Rendells Products for Feminine Hygiene. It creates new customers and gives confidence to regular users.

Special Chemists' Display Material is still available, so write to-day for a supply.

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P.A.T.A

For Feminine Hygiene

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- Pharmacists can recommend Vykmin with every confidence in cases of systemic vitamin deficiency.
- Full particulars, formula and terms available from Home Health Services, 132, Baker Street, London, W.1.

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(continued overleaf)

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ANTI-COLIC. RECOMMENDED BY HOSPITALS, DOCTORS AND NURSES

Ball Top, one-hole perforation, ensuring constant and steady flow.

Buffer shoulder protects baby's mouth.

Tab enables teat to be slipped over bottle in an instant with minimum handling.



● General Resiliency MAKES IT NECESSARY FOR BABY TO WORK JAWS THEREBY RESEMBLING THE NATURAL NIPPLE.

● Collar ensures firm grip on bottle which CANNOT BE PULLED OFF BY BABY.

● Will stand Repeated STERILISATION.

MODERN in design and must be TRIED to be appreciated.

NEAREST TO NATURAL FEEDING

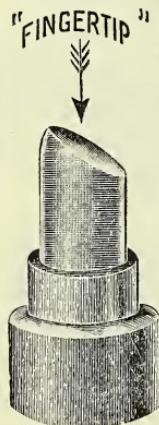
"MODERN" Teat has been specifically designed to meet the needs of both MOTHER and BABY, and—what is of vital importance in these days—it LASTS LONGER. It is hygienic, odourless and tasteless.

OBtainable of all WHOLESALErs

HE CANNON RUBBER MANUFACTURERS LTD., LONDON, N.17

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NOW AVAILABLE IN FIVE SIZES

“VICTORY” Series at 8/6, 9/- 10/6 and 12/- doz.

“FINGERTIP” (recommended) with SHOWCARD, 11/- doz.

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The “NOSHOK” CAUSTIC PENCIL, 4/9 doz.

Always in stock. (P. Tax 16½%)

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Telephone: SLOUGH 21864

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In constant demand!



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CHESTER ROAD · MANCHESTER, 16

★ A Name that stands for
Perfection and Dependability
in Pharmaceutical products—



An organization with long experience and modern equipment aided by a highly technical staff under scientific control and specializing in the manufacture of PILLS and TABLETS



MANUFACTURING CHEMISTS
BRIGHTON

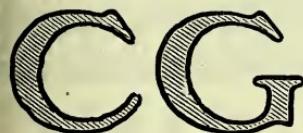
Irish Drug Association

Manufacturers and Distributors of Chemists' lines are reminded that rebates are required on stocks held by members on the date upon which any reductions are put into operation.

Firms contemplating reductions in the prices of their products should communicate with the Association for advice on the procedure to be adopted.

12-14 College Green
Dublin

January 1945



products listed below, though not necessarily available to new buyers, will serve as a reminder to those friends in the trade who for many years have shared in their established sales.

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A FULL RANGE OF GLANDULAR
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available in Package Form
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Also PEPSIN all strengths

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both Bacteriological
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P.A.T.A.

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FOR RHEUMAGIC**

is RISING

The War effort is making additional
demands on the Nation's strength.
Those prone to Rheumatism, Lum-
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to relieve suffering and enable them
to carry on their work.

Rheumagic makes no claim to cure
Rheumatism. Its purpose is to
relieve pain. It does so speedily and
in this way makes a contribution to
the National effort. Rheumagic is
backed by a guarantee of money
back if no relief.

Rheumagic

Brand
FORMULA OILS

Retail Prices: 1/5 & 3/4½ (including tax)
INTERNATIONAL LABORATORIES, Charlbury, Oxfordshire



The Knox Policy

The Policy of the Knox Laboratories Ltd., has always been one of creating product confidence by giving users an assurance of satisfaction or money refunded.

To-day, in their Nation-wide advertising, all announcements carry this guarantee of honest trading and straightforward dealing.

to assure that you get better quickly :—(1) starts almost at once to soothe and comfort, thus enabling you to get restful, refreshing sleep. (2) Gets rid of health-destroying poisonous acids with which your system may have become saturated. (3) Strengthens and reinvigorates kidney action, protects the delicate filter organism and stimulates the system.

MONEY REFUNDED IF DISSATISFIED

If for any reason you are dissatisfied with Cystex, return empty package to manufacturers at address below and the purchase price will be refunded in full.

Cystex

THE KIDNEY TONIC

For KIDNEYS, BLADDER,
RHEUMATISM.

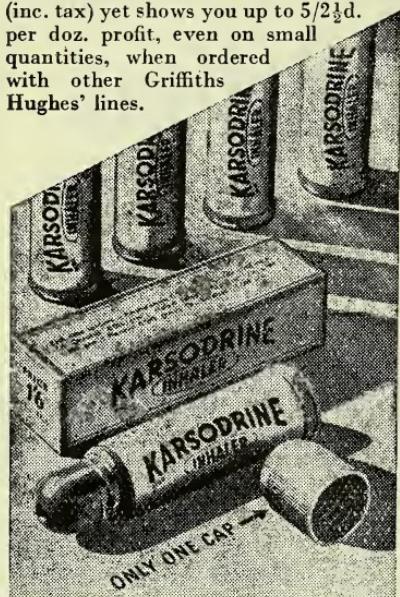
Mendaco

For ASTHMA,
BRONCHITIS, HAY FEVER.

KNOX LABORATORIES LTD.

81 Lamb's Conduit Street, London, W.C.1

Retails at the reasonable price of 1/6 (inc. tax) yet shows you up to 5/2½d. per doz. profit, even on small quantities, when ordered with other Griffiths Hughes' lines.



E. GRIFFITHS HUGHES LTD. 7 Adelphi, Salford 3, Manchester P.A.1

KARSODRIN A WINTER 'BEST SELLER'

At the moment, supplies of KARSODRIN Inhaler are reasonably adequate and the line only to be displayed to melt into immediate sale.

The KARSODRINE pocket inhaler (contains Amphetamine) affords prolonged relief in cases of Nasal Catarrh, Head Colds, Sinusitis and all forms of nasal congestion. Can be carried in the pocket or handbag and, by the removal of only one, is immediately ready for use.

In the Karsodrine formula, the Amphetamine combined with bland antiseptic vapours which afford immediate and prolonged relief and comfort to the user.

Be prepared for ready winter sales. Each Karsodrine Inhaler contains : Ampnetan 0.330 grm.; Cineole 0.093 grm.; Ol. Citro 0.026 grm.; Methyl Salicyl. 0.023 grm.; Ol. C. 0.005 grm.; Menthol 0.049 grm.; Ol. Eucalypt. 0.089 grm.

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FAMOUS FOR OVER 80 YEARS

P.A.T.A.

FENNINGS' FEVER MIXTURE 1/3 a bottle

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For Coughs, Colds, Bronchitis, etc. 3/- glass tubes and 6/- Carton of 12 Packets, retailing at 6d. each.

FENNINGS' OINTMENT. Demand Steadily Increasing

For Cuts, Burns, Bruises, Chilblains, and all skin irritations. 1/3 a tin

FENNINGS' WHOOPING COUGH POWDERS

FENNINGS' WORM POWDERS

FENNINGS' STOMACH STRENGTHENERS

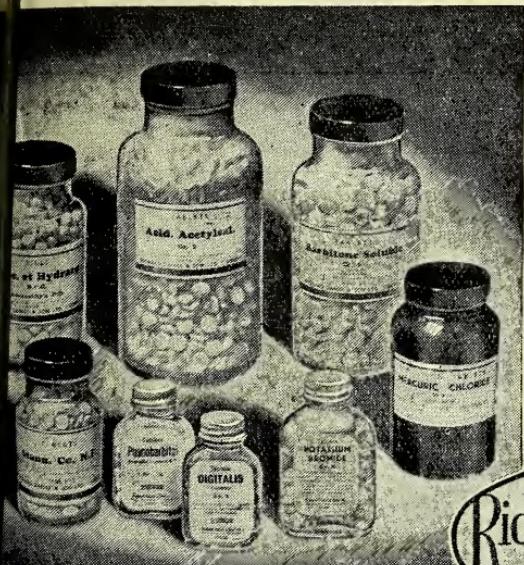
FENNINGS' RHEUMATIC AND ERYsipelas DROPS— 1/3 a bottle

Please address orders and inquiries to your Wholesaler

1/3 and 3/- boxes

N.B.—FENNINGS' COOLING POWDERS (Children's and Adults') are at present in short supply, owing to war conditions, but every endeavour is being made to execute orders

PROPRIETORS: THE TRUSTEES OF ALFRED FENNINGS (DECEASED)
COWES, Isle of Wight



Established 1860

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AND
PILLS
For the
Pharmaceutical
Trade

Richard Daniel & Son
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LTD.

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**WINTERGREEN
N.A.C. ANALGESIC
CREAM
NON-GREASY**

FULL-STRENGTH mentholated product for
DAY or NIGHT use.

Retail 2/6 per 2 oz. jar plus 3d. P. Tax

rite for especially profitable terms for this and
other C.F. Lines.

**WILL REFLECT CREDIT UPON
YOUR PHARMACY**
ND
**CREATE GOOD
WILL AND
GOOD PROFIT**

**AMANCY & CO., LTD., HARROW
MIDDX.**

**OPTOCUS
EYE LOTION**

We are pleased to advise you
that supplies are now available.

OPTOCUS EYE LOTION has
been transferred to Class 19
and is now subject to only
16 $\frac{2}{3}$ % Purchase Tax.

RETAIL 1/9 per bottle.
10/6 doz.

BROOK, PARKER & CO., LTD.

Manufacturing Chemists
BRADFORD - YORKS.

Fair Play & Fair Profit!

P.A.T.A.

Will the end of war-time conditions of short supply see a recurrence of price-cutting to undermine the standards of people and traders? We join in the hope that such conditions will not materialise. What is perhaps more important to the chemist is that we are ready to tackle them if they do.

YOU CAN RELY ON 'ASPRO'

'ASPRO' has not allowed its price maintenance organisation to rust or lose its efficiency. Throughout the war the same scrupulous control that made 'ASPRO' "red-hot" for the price-cutter and the cleanest line for the honest retailer, has been operating in the national interests. Now it is ready to go into action instantly at the first sign of a recurrence of price-cutting.

We are proud of the appreciation expressed by retailers and wholesalers alike of the service rendered them by this special branch within our organisation. Just as the public rely on 'ASPRO' for purity, safety and efficacy, so the chemist can rely on ASPRO Limited for fair play and fair profit which is protected with vigour and efficiency.

'ASPRO'

Made by ASPRO LIMITED, Slough, Bucks.

Telephone: Slough 22381



Always Sells

THE LIVE LINE
WITHOUT A
DEAD SEASON-

Cuticura OINTMENT

223

● Cuticura Ointment—and equally popular Cuticura Soap, Cuticura Talcum Powder and Cuticura Shaving Stick—are in demand from January to December. How are your stocks

LAXICR



★ A NATURAL
LAXATIVE

★ Efficacious and
easy to sell

★ Attractive sales
outlets

★ Profitable terms
(13 as 12)

CF of course!
Retail 3/- incl.

Order from your wholesaler

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BIOLOGICAL MBL PREPARATIONS

THE QUALITY OF ALL MBL PRODUCTS IS ABSOLUTELY
EQUAL WITH THAT OF PRE-WAR PREPARATION

of our heavy purchases immediately before war broke out. Our stocks
are considerable and the high MBL standard will be fully maintained.

There is no shortage of any of our preparations

		Retail Price	CHEMISTS' PRICE			Per dozen			
			Per unit						
		(inclusive of Tax)	Net	+	Purchase Tax	Net	+	Purchase Tax	
ANTIPEOL									
ENT	4 oz. tube ..	..	6/8½	4/2½	+	8½	50/5	+	8/5
	40 gr. ..	..	3/4½	2/1½	+	4½	25/3	+	4/3
	20 gr. ..	..	1/10½	1/2	+	2½	14/-	+	2/4
QU	40 c.c. bottle ..	..	3/4½	2/1½	+	4½	25/3	+	4/3
PHTHALMO-ANTIPEOL									
	Nozzled Tube ..	..	3/4½	2/1½	+	4½	25/3	+	4/3
PHO-ANTIPEOL									
	Nozzled Tube ..	..	2/9½	1/9	+	3½	21/-	+	3/6
EROFAGOS (ORAL AND INJECTABLE)									
	50 ampoules ..	..	19/-	13/3½	None	159/7	None		
	10 "	..	4/3	3/-	None	35/8	None		
	5 "	..	2/6	1/9	None	21/-	None		
ENSYL									
	500 tablets ..	..	39/-	24/-	+	4/-	288/-	+	48/-
of 50 "	..	..	4/5½	2/8½	+	5½	32/4	+	5/3
JAMES' BALM									
	approx. 2½ oz. ..	..	2/10	1/11	+	4	22/6	+	3/9
	" 1 oz. ..	..	1/5	1/	+	2	11/3	+	1/11
	" ..	..	1/2	9	+	2	9/-	+	1/6

Carriage paid on all orders of 1 dozen or £1 and over.

Terms: NETT, monthly account.

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Urgent empty cases PLEASE

For some time past we have experienced considerable difficulty in despatching supplies of Andrews because of the acute shortage of cases.

The position is NOW SERIOUS

and unless customers holding Andrews empty cases return them immediately a hold-up in deliveries will result. Your co-operation is requested. Postage or carriage will be credited.

HOW TO SEND

Fold cases flat, flaps inside, tie up. Ready addressed gummed labels obtainable from our travellers, or direct from us. Up to 15 lbs., by post (*state cost on label*). Over 15 lbs.: by rail, c/fwd (*or state cost on label*).

ANDREWS

SCOTT & TURNER, LTD.

15 Andrews House Newcastle-upon-Tyne, 2

Simpkins

To ALL Chemists who have NOT been serviced during the last 6 months

GLUCOSE MEDICATIONS Datum year buyer please apply for quota (as fixed by M.O.F.) within 7 days of this Notice, otherwise balance will be shared in smaller allocations to NON-DATUM year purchaser chemists who are invited to apply.

VITA GLUCOSE By arrangement with the Ministries concerned, there are sufficient supplies for all Diabetics on Insulin and urgent medical cases.

GLUCOSE CONFECTIONS (1) Available for URGENT MEDICAL CASES against individual prescriptions.
(2) EASTER ZONE (only) against Transfer Forms.

VITALISED STOMACH POWDER

Each teaspoonful contains in addition to the enzymes Diastase and Papain, 35 international units of Vitamin B1.

of Sheffield



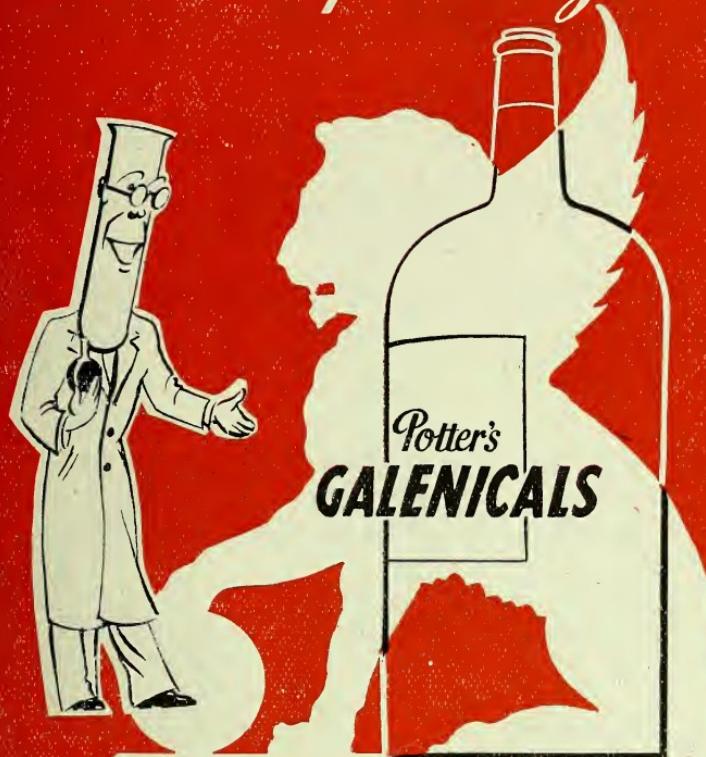
JORDANS

Pills

IN CONSTA
DEMAN



POTTER'S *potterings*



—HAVE STOOD THE TEST OF TIME
LIQUID EXTRACTS—TINCTURES—INFUSIONS—DECOC-
TIONS — EMULSIONS — AND ALL PHARMACEUTICAL
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YEARS OF EXPERIENCE AND STRICT LABORATORY
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77 DANTZIC STREET, MANCHESTER
Phone: Blackfriars 8734. Grams: Horehound, Manchester

sim

EXTRACTS

TINCTURES RESINOIDS
OLEO-RESINS MEDICINAL RESINS

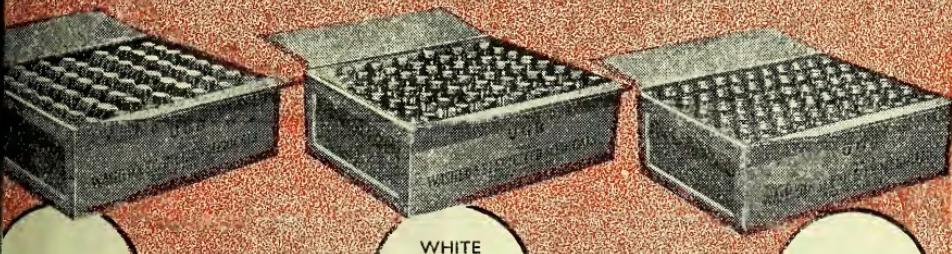
COLCHICUM PREPARATIONS

MADE FROM BRITISH-GROWN
CORMS AND SEEDS

WILLIAM RANSOM & SON
ESTABLISHED 1846 Ltd.
Manufacturing Chemists
HITCHIN, HERTFORDSHIRE

**GREATER
HAN EVER IS THE
DEMAND FOR**

U.G.B. **MEDICAL BOTTLES**



CORK MOUTH

WHITE
ENAMELLED
METAL
SCREW-CAP

KORKALITE
MOULDED
CAP

WASHED AND STERILISED
—READY FOR USE—
THE IDEAL
DISPENSING BOTTLE
IN ANY EMERGENCY

UNITED GLASS BOTTLE

MANUFACTURERS LTD.

*The Largest Manufacturers of Glass Bottles
in Europe*

8 LEICESTER STREET, W.C.2

Telephone : GERrard 8611 (10 lines)
Telegrams : Unglaboman, Lesquare, London

If You're out of One Recommend the Other

In these days, when, do what we will, we cannot always cope with demand, there is an added advantage in the two Parmints.

All our press advertising features both Parmints and mentions their prices.

At the moment the ready for use Parmint Syrup is in short supply. If you are temporarily out of stock recommend your customers to take a bottle of the Parmint Concentrated Essences.

Both are both

P.A.T.A.

and



PARMINT

Concentrated Essences

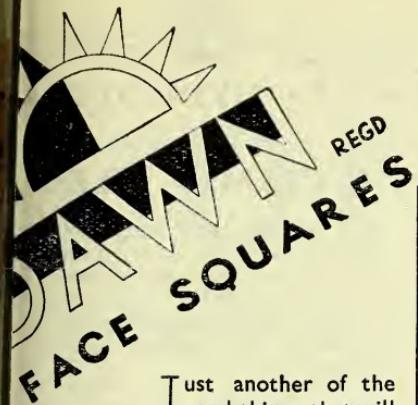
and

PARMINT SYRUP

INTERNATIONAL LABORATORIES
LIMITED

CHARLBURY

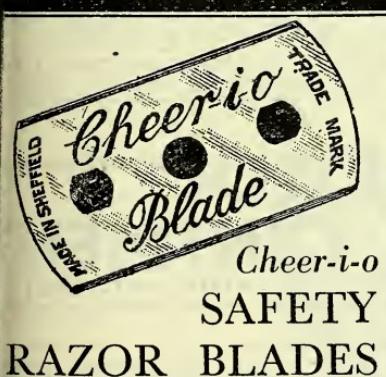
OXFORD



Just another of the good things that will come again with Victory, but which must be sacrificed meantime.

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RED BANK MILLS
RADCLIFFE, Lancs



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Limited supplies available only to Wholesalers, in various areas, registered under Class 9c of the Limitations of Supply Order

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The Wafer Razor Co. Ltd.

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Welcome home the Exiles

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Florigan
Mico

Three lovely exiles . . . together with some forty of their equally distinguished and charming sisters—have been absent from us for five long years. The hour of their return is surely near.

In a matter of months — or so we believe — the import of authentic and synthetic flower oils for perfumes and cosmetics will greatly ease and the present starved condition of our markets become much ameliorated.

May we suggest that the time is ripe for you to contact us regularly in order that we—who have our finger on the pulse of events belonging to the trade—may keep YOU in touch with developments of mutual interest as they arise?

Polak & Schwarz
(ENGLAND) LTD.

Manufacturers of Perfume Bases, Flower Oils, Soap Perfumes, Essential Oils and Aromatic Chemicals.

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Telephone: ENFIELD 3244-5 and 2573.

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A New Rat Killer that really means business **TO YOU!**

Attractively Packed—Sells on Sight

Write for Generous Trade Terms:
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CASEIN HYDROLYSATE — ASHE — VITAMIN FREE

We are now able to supply, in powder form and in 10% aqueous solution, an acid hydrolysate of casein, free from vitamins, for use in the microbiological assay of nicotinic acid, pantothenic acid, biotin, etc.

This hydrolysate also facilitates the construction of synthetic media for use in research on the nutritional requirements of micro-organisms.

ASHE LABORATORIES LTD.
120/2 VICTORIA STREET - LONDON, S.W.1
Phones: VIC. 6781/6 Grams: Ashetree Sowest London

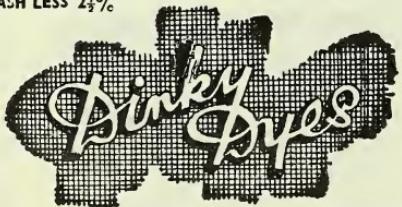
The Saxe plays the Blues

with a turnover tempo, if you sell this and the other fifteen fine

3d.
Per Packet
colours, which, with a khaki and black, make up the DINKY range.

TERMS:
27/- gross
5 gross less 10%
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DINKY DYES are all the time being sold for you by persistent advertising. If not handling send 2½d. for Sample Carton & Shade Card



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YEAST FOR ANAEMIA
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WARREN WORKS, PUDSEY, LEEDS

DETTOLE BRAND
OINTMENT
HEALING AND ANTISEPTIC

A PROFITABLE REPEATING LINE

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LARGE JARS 27/- " + "

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The Best Known, Most Widely Advertised
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They make a strong appeal wherever they are shown.
They are easy to sell and very profitable.

MOTHAKS have been advertised steadily all through the winter and will continue to be advertised consistently in well over 100 national and provincial newspapers and women's magazines.



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What the Grower knows. . .

INSECTICIDES, Fungicides and Fertilisers used by the Commercial grower just have to be right—depending as he does on their performance for his livelihood, he knows he can rely implicitly on products from Monro's of Covent Garden. Recommend to your customers the well-known 'Monrose' Brand preparations used for years by leading market growers and now available through Chemists to every amateur gardener. Remember, too, that 'Monrose' products are backed by a first-rate horticultural advisory service.

You KNOW you can rely on

Monro's
OF COVENT GARDEN

Write us now about stocks

Technical Dept.,

Geo. Monro, Ltd., Waltham Cross, Herts.

TAS/GM.3

"ONE OF OUR SPECIALITIES

Losalls THERMAL LINIMENT



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Warm an
Stimulatin
Liniment

Retail Price
1/9

Wholesale
11/6 do
+ 1/11 ta

LOFTHOUSE & SALTMER Ltd., HU.

A name worth remembering **SATINO Toilet Paper**

(in Rolls or interleaved Sheets)

The product of paper specialists of world renown and made from the finest thin, absorbent tissue paper now permitted. The interleaved sheet are SPECIALLY PROCESSED to give a tough but super soft finish.

There is all the difference
QUANTITY and QUALITY



FLORENTIA BRAND SATINO is one of the famous FLORINA brand of domestic paper products made by
FREEDER BROTHERS PAPER MILLS
Registered 50 Brimsdown, Enfield, Middlesex

We're telling more mothers about

'KEPLER'

TRADE MARK

COD LIVER OIL WITH MALT EXTRACT

Play 'Kepler' prominently this son, and make sure that your armacy gets its share of the immense es volume which is now being lt up by extensive press publicity. member that 'Kepler' still retains high pre-war standards of quality ich make it the leading product in field.

Vitamin A—3500 International Units } in each
Vitamin D—500 International Units } fluid ounce

5/9 and 3/3 per bottle

(Subject to trade discount)



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(The Wellcome Foundation Ltd.)

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NEWS OF THE WEEK

Register Amendments.—The Board of Trade has issued lists of amendments to the Home Trade Register, Toilet Preparations Register, and a number of registers of manufacturers and exporters. Copies of new lists are obtainable from H.M. Stationery Office, price one penny.

Relaxed Controls.—The Board of Trade issued Rules and Orders withdrawing relaxing controls over the supply of a number of items, including cutlery. Persons taking advantage of the relaxations will come liable to registration for purchase purposes if their gross takings on the sale of chargeable goods of their own manufacture are likely to exceed £500 annually. Applications for registration should be addressed to the local officer of the Customs and Excise. A full list of the products involved may be obtained from the Secretary's Office, City Gate House, Finsbury Square, London, E.C.2.

Control of Rubber Gloves.—The Ministry of Health and President of the Board of Trade have agreed on the basis of control

for 1945 of the supply of rubber gloves to hospitals and institutions, doctors, and nurses and midwives. Supply will continue to be controlled centrally by the Priority Officer of the Ministry of Health. Certificates to be issued during 1945 provide for maximum purchases as follows: medical practitioners, six pairs; midwives, six pairs; district nurses not practising as midwives, four pairs; nurses in private practice, two pairs. Booklets of six certificates each are being printed for issue to doctors and midwives. Loose certificates will be issued to the other two classes.

Antimony Decontrolled.—Under the Control of Non-ferrous Metals (No. 15) (Antimony) (Revocation) Order, 1945 (S.R. & O. 1945, No. 112), which came into force on February 8, antimony becomes available for all purposes. The new Order revokes the Control of Non-ferrous Metals (No. 8) (Antimony) Order, 1942, under which the disposal and acquisition of antimony metal, crude antimony sulphide, antimony oxide, golden or crimson sulphide of antimony,

and antimony ore were subject to licence. Licences will no longer be required for the disposal or acquisition of these commodities. Inquiries concerning the Order should be addressed to the Joint Controllers, Non-ferrous Metals Control, Grand Hotel, Rugby. Copies of the Order may be obtained from H.M. Stationery Office, York House, Kingsway, W.C.2, price one penny.

Bulk Buying Plan for Hertfordshire.—The Federation of Hertfordshire Trade Organisations proposes to open, after the war, a central buying agency, with show-rooms for the display of the widest possible range of goods. The facilities of the agency will be available to all members of Chambers of Commerce in the County.

Tyroglyphid Mites in Food.—In 1943 the Department of Scientific and Industrial Research issued a "Survey of the Published Information on Tyroglyphid Mites in Stored Produce." A supplement has now been issued which brings the information more up to date. Copies, price twopence (by post threepence), may be obtained from H.M. Stationery Office.

Post-war Production Problem.—At a meeting of the Imperial College International Society, London, on January 31, Sir Stafford Cripps declared that after the war the country would not have to think of relaxing but of using all its capacity to plan and create efficiency so as to make the best possible use of national resources. The real problem was not to avoid unemployment but to get enough labour.

Medical "Brains" Against Self-medication.—At a "brains trust" held in Glasgow, recently, under the auspices of the Glasgow Corporation Health Education Committee, four medical members condemned self-medication with proprietary medicines, though one of them admitted that there could be "too much calling-in of doctors for simple ailments," and another commented, "I think everybody must at one time or another be permitted to administer some self-medication—for instance, a small dose of salts or 5 gr. of aspirin."

Post-war Rubber Production.—The Rubber Study Group, which met in Washington recently, reached the conclusion that production of natural rubber in Far-Eastern territories could be increased, within three or four years after liberation, to $1\frac{1}{2}$ million tons of rubber annually, if required. World production capacity of synthetic rubber was put at $1\frac{3}{4}$ million tons annually, and the estimated amount of

all types of natural and synthetic rubber likely to be processed and consumed, estimated at not more than $1\frac{1}{2}$ million annually.

Election Addresses at Hull.—Hull Chemists' Association, and Branch of the Pharmaceutical Society, under the chairmanship of Miss E. Palmer, on February 1 addresses by Mr. B. Foster (branchary) and three other candidates in forthcoming Council election (Messrs Steinman, W. E. Phillipson, and Wompra). Five other papers were read by local members from candidates who were unable to attend (Messrs. J. Gilmour, Hirst, Granville Shaw, H. C. Shaw and F. C. Wilson). Mr. L. S. Selle proposed Mr. R. H. Watson seconded, a vote of thanks to the speakers.

Presentations to Founder.—Mr. W. Hill, who founded the County Chemical Company fifty years ago, was entertained by his employees on February 5 in celebration of the anniversary. Mr. Hill said that the company began with the manufacture of lubricants. In 1929 it introduced a known hair-cream—a side of the business which was sold six years ago for £600,000. Mr. Hill was presented by Harriet Carter (forty-five years with the firm) on behalf of the workpeople with an antique French chiming clock, and Miss Florrie Dewett (forty years with the firm) with silver salver. He himself then made presentations of cheques to the employees.

Presentation to Director.—At the works of Lofthouse & Saltmer, Ltd., manufacturing chemists, Hull, on February 1 presentation was made by the staff to Mr. C. E. Hammond, to mark the completion of fifty years' service as the company's Northern representative. Mr. Hammond, also a director of the company, accepted the presentation (a sum of money) was made by Mr. C. G. Irving, who himself, so records, as September, 1944, completed fifty years' service and was the recipient of a silver gift. Mr. G. G. Simpson (managing director) presided and paid tribute to the faithful service of Mr. Hammond, to whom the gift of a clock had previously been given by the directors.

Londonderry Chemists' Annual Dance.—The eighth annual dance of the Londonderry Chemists' Association, held on February 26, in aid of the City and County Hospital, proved as popular as in previous years. The dance committee consists of Messrs. Jack Buchanan (chairman), J. Barr (secretary), W. Canning, W. Ga-

was Murphy, Fred Stinson, David Chamberlain, McCafferty, and R. H. Harper. The duties of M.C. were carried out by Mr. McCafferty, Murphy, Canning and Chamberlain, and Messrs. W. J. Williams, Harper, C. Schlinwein, S. Kilgore, and David Boggs acted as stewards. Two prizes were awarded in spot prizes.

James Valley Pharmacists' Association. J. F. McNeal (vice-president, Pharmaceutical Society) gave an address on "Recent Pharmaceutical Topics" to the section recently. He stated that there were some 5,000 pharmacists to be placed in employment on their return from the States, after having undergone "refreshing" courses, and that the Central Pharmaceutical War Committee would probably "go to reverse" to help their reinstatement. Mr. McNeal suggested that pharmacists should go all out to cater for N.H.I. prescriptions, and should cut out window-

displays, merely showing specie jars and carboys, the symbols of the profession. Several questions were asked and answered.

N.P.U. Organiser at Birmingham.—At a district meeting of the National Pharmaceutical Union (W.3 area), held on January 31, Mr. H. H. Marshall in the chair, an address was given by Mr. R. H. Kemp (N.P.U. local organisations officer) on "Your Business: A Review and a Forecast." Mr. Kemp gave a concise summary of developments in pharmacy since 1895, and suggested two possible types of pharmacies in the future: some in which dispensing and professional work would be the principal part, and others in which commercial activities would be predominant. Discussion followed, to which useful contributions were made by Messrs. G. Hampton and Parry, Alderman C. Davies, Messrs. J. R. Smith and Kidd. A vote of thanks to Mr. Kemp was proposed by Mr. Martin, seconded by Mr. Alderman Davies.

PARLIAMENTARY NEWS

Appointments Offices and Retail Trade.—The Minister of Labour (Mr. Bevin) said on February 25 that it was not intended that Appointments Offices should normally deal with persons who wished to establish themselves in retail trade.

Portage of Teats in Frome.—Mrs. Tate complained to the President of the Board of Trade on February 6 that no feeding teats or valves had been delivered to Mr. Maggs, chemist, Frome, in January, that mothers in that town were urgently in need of these articles. Mr. Dalton asked for particulars of unfulfilled orders placed by the firm for delivery in January.

Rubber Hot-water Bottles.—Replying to a question that he should give permission for rubber hot-water bottles to be lent to invalid and sick persons from A.R.P. stores, the Minister of Health said the suggestion was not practicable. Where the provision of a hot-water bottle was necessary, and medical reasons the only type of bottle available was one made of rubber, there were special arrangements whereby such a bottle might be obtained on the advice of medical officers.

Export Trade.—Sir L. Lyle asked the Secretary of State for the Overseas Trade Department on February 1, what steps he was taking to revive the export of proprietary branded goods with a view to preserving overseas goodwill in such goods before it was too late. Mr. Johnston said, in

reply, that the export of proprietary and branded goods was subject to export control in the same way as other goods. As relaxations in export control were increased, proprietary and branded goods would, it was hoped, share in the relaxations.

Demobilisation Grants.—Replying to a question by Sir L. Ward, recently, Sir John Anderson (Chancellor of the Exchequer) stated that details were being worked out, and would shortly be announced by the Minister of Labour and National Service, of a scheme of resettlement grants of up to £150 to ex-members of the Forces wishing to restart in business on their own account and to certain disabled ex-members of the Forces who wished to start in business for the first time. The grants would involve a capital expenditure approaching £500 million.

Colonial Development Appropriation.—Under a Colonial Development and Welfare Bill presented to the House of Commons on January 31 by Mr. Oliver Stanley (Secretary for the Colonies) Parliament is to be asked to provide £120 million for development schemes and research work in the colonies during the ten years commencing April 1946. One effect of the proposals is that colonies will be enabled to make plans for a ten-year period instead of annually. No time limit is to be imposed but the total expenditure is not to exceed £1 million annually.

DEFICIENT SAL VOLATILE

AT Clerkenwell, London, magistrate's court recently, summonses were brought against Edward Bougourd, M.P.S., 20 Chapel Market, London, N.1, for selling a product described as liq. ammon. aromat. B.P., in a bottle labelled in a manner calculated to mislead, and containing a drug not of the nature, substance and quality demanded. Bougourd in turn summoned Skuse & Co., Ltd., on the ground that the alleged contraventions of the Food and Drugs Act were due to an act or default of the company. The summonses against Bougourd were dismissed and those against the company were dismissed under the Probation of Offenders Act on payment of £26 5s., costs to the prosecution, £10 10s., costs to Bougourd and £10 10s. costs to May & Baker, Ltd., Dagenham, against whom no summons had been taken out, although notice had been given them that Messrs. Skuse would plead warranty. Evidence was given that a test purchase had been made of a substitute for sal volatile authorised under the Scarce Substances Order. A sample was found by the public analyst to contain 0.78 per cent of ammonia and 0.88 per cent. of carbon dioxide, and he was of the opinion that it was therefore deficient in ammonia to the extent of at least 62.8 per cent. and in carbon dioxide to the extent of 30.4 per cent.

Not Attributed to Evaporation

From his experience he did not think the deficiencies were likely to have resulted from evaporation, although he agreed that, on the inner side of the stoppers shown to him in Court, there were cuts or grooves corresponding with a feature of the bottles. He would not expect that evaporation from such leakage would be more than 3 or 4 per cent. in four or five months. Evidence was given by Bougourd that he sold the bottles in the same condition as he received them from Messrs. Skuse. The works foreman employed by Messrs. Skuse said that in February 1944 his employers received two carboys of liquid ammonia from May & Baker, Ltd., and he subsequently supervised the bottling of the product of which samples were now produced. No evaporation could have occurred during the bottling process, and he had no reason to suppose at the time that the type of stoppers which were used were not gas-tight. George William Ferguson, analytical chemist, called as a witness for Messrs. Skuse, said he had analysed the contents

of a similar bottle of liq. ammon. at B.P., received from the company and found a deficiency, but his figures 0.89 per cent. ammonia and 1.04 per cent. carbon dioxide. He carried out experiments, as a result of which he of the opinion that the bottle caps not gas-proof. In his opinion, the fitting nature of the caps was responsible for the deficiencies which he found. Magistrate held that negligence or default need not be proved, but defendants had made a *bona-fide* mistake in effecting sales of the product.

LEGAL REPORTS

Quinine Wine Summons.—At mouth magistrates' court recently Bell Wines, Ltd., London, S.W.8, were £5 5s., with £3 3s. costs, for supplying orange quinine wine under a false name after the ban prohibiting the sale of quinine between 1941 and 1944 had been removed. Pleading guilty on behalf of the defendant their solicitor said that a deficiency of $\frac{1}{2}$ oz. quinine per bottle was caused by the wine being held in stock for four years. The casks in which it happened to be were wooden, and it had been found that the wood gave off tannin, which caused precipitation. A summons against T. Whites & Taylors, Ltd., who sold the wine, was withdrawn.

Pill Makers Fined.—At a special sitting at Nottingham, on February 8, Towle & Co., Ltd., 3 Toll Street, summoned at the instance of the Pharmaceutical Society for unlawfully supplying on September 20, 1944, an article (brand pills) for the purpose of inducing persons to buy by retail a substance which the contents were not clearly indicated on the container or label; and for taking part in the publication of an advertisement referring to the pills in terms calculated to lead to their use for procuring the carriage of women. The company's managing director said the business had been in existence approximately 100 years. Labels affixed to the boxes of pills stated they had not to be taken in cases of pregnancy, and he could not say why no warning was on the box sent in the case before the court. Other articles supplied always the proper formulas printed on them. A fine of £5, with £10 costs, was imposed on the first summons, and £25 on the second.

TOPICAL REFLECTIONS

Practical Discussion

Discussions of the practical kind recorded on pp. 152-53 are always worth it may be noted in passing that Alderman W. J. Tristram found it Tennyson did (though not at Bath), clear of alliteration; "but let that The details of the National Pharmaceutical Union business purchase and fee scheme, and the questions asked it, show (as I intimated last week) is a large-scale undertaking full of ve possibilities. The publicity it ready obtained should enable the 7 per cent. of proprietor chemists need to make up their minds that ill no longer remain isolated units. speaking about National Health proposals, Alderman Tristram re that "it might be necessary to the proposals put forward by the [Pharmaceutical] Committee." It well for reformers and prospective rs to bear this remark in mind: in campaign there are tactical as well as ic objectives to be considered. One pharmacists who took part in the ion, Mr. J. Aspell, made the suggestion that the 50-per-cent. advance in fees now being asked for by the merely represented the difference en present-day money values and of 1939. The exact ratio may be t to adjustment by financial experts: ggestion is none the less applicable, er, not only to the conditions of the nt but also to those we may expect et when N.H.S. proposals take a concrete form.

Benjamin Stillingfleet

ong the amateurs to whom in the gate science owes much, Benjamin gfleet, a naturalist referred to in your eek's issue (p. 147), has a secure place. tion has accorded him one kind of probably irksome to so modest a the colour of the hose worn by him rise to the nickname "bluestockings" the literary ladies whose salons he fre. ed. In early life he travelled as a , and no doubt used his leisure well. most original work was the observing recording of the plant and animal life d him: "The Calendar of Flora," and servations on Grasses" are examples. 761 his Calendar attracted (possibly in manuscript) the attention of the Gray, who in a long letter written in

London to Dr. Wharton gave it cordial praise and added to some of the observations obtained from Upsala and from Stratton, Norfolk, similar ones noted at Cambridge and at Stoke Poges. He described Stillingfleet as "this philosopher, who lives in a garret here in the winter, that he may support some near relations who depend upon him. He is always employed, and always cheerful . . ." Like many amateurs, Stillingfleet had his eccentricities. One of them is mentioned by your contributor. Another was that for making thermometric records he devised a system of his own. He took 0° as the freezing point of water, but used the Fahrenheit distance between his degrees; it appears that he persuaded the famous Dr. Stephen Hales to adopt it, and vainly hoped its use would become universal.

English Visitors to Russia

The illustrated article on Moscow Pharmaceutical Museum (pp. 140-42) has a double interest for British readers because of the part played by English apothecaries in organising Russian pharmacy in the sixteenth and seventeenth centuries. One outcome of the regard of Ivan IV for England was that in May 1557, under the orders of the Anglo-Russian Trading Company, Anthony Jenkinson sailed from Gravesend to Russia. Among his passengers was the Russian ambassador to England. In due course—to be exact, four months and eleven days after his departure, the captain arrived in Moscow. For nearly a century afterwards, English goods entering the country by sea were exempted from customs dues: abolition of this privilege came about eventually as the result of a petition by the Russian Merchants' Guild, dictated partly by jealousy and partly by fear of the introduction of plague from England. On his first visit Jenkinson appears to have taken with him a Dutch apothecary; but ten years later Thomas Carver, an English apothecary, went to Moscow with other representatives of English medicine and crafts, and an English settlement was formed in the city. Carver and several of his colleagues lost their lives during a famine in 1571. He was succeeded as manager of an Imperial pharmacy, after an interval, by various Englishmen whose names have been recorded. The great fire of 1812, when Napoleon had penetrated to Moscow, probably swept away all local traces of their life and work. **Xrayser**

TRADE NOTES

Cardboard Boxes.—Edmund Stekel, 214 Bishopsgate, London, E.C.2, states that the box-making facilities referred to in a recent Trade Note are available only to clients who can secure a licence from the Ministry of Supply (Paper Control).

At Lower Tax Rate.—Brook, Parker & Co., Ltd., Bradford, Yorks, announce that Optocut eye lotion has been transferred to Class 19 under the purchase-tax regulations, and is now subject to tax at the rate of only 16½ per cent. Supplies are available.

Casein for Assays.—Ashe Laboratories, Ltd., 120 Victoria Street, London, S.W.1, can now supply, in powder form and in 10 per cent. aqueous solution, an acidic, vitamin-free, hydrolysate of casein for use in the microbiological assay of nicotinic acid, pantothenic acid, biotin, etc.

Improved Pack.—Milton Antiseptic, Ltd., Chapel Lane, Sands, High Wycombe, Bucks, have introduced a new and specially designed tube protector for Milton dental cream, the flavour and consistency of which have been improved. Chemists are invited to ask the company's representative to demonstrate the new pack.

Wholesalers Exclusively.—The directors of Don Bryan, Ltd., wholesale chemists, Bryco House, 7 Mansel Street, Swansea, point out that their business is strictly wholesale, and confined to supplying retail chemists; drug-stores are excluded. An announcement has been issued by the company that the directors will not hesitate to take legal proceedings against any person or persons making statements prejudicial to the company's good name in the trade.

Business Changes

MAY & BAKER, LTD., have opened an office at 39 Kildare Street, Dublin (Telephone: Dublin 64027).

MOORE MEDICINAL PRODUCTS, LTD., Aberdeen, announce that their pharmaceutical specialities are now available in Eire from their associate company, Moore Medicinal Products (Ireland), Ltd., 11 Pearse Street, Dublin.

Proprietary Articles Trade Association

Additions to Protected List.—*Bronitan*, Ltd., Brontalene eye lotion, 18s. doz., tax 3s. doz., includes retail price 2s. 6d. Bonus of thirteen to doz. on 12-dozen lots and upwards.

Deletions.—*Dearborn* (1923), Ltd., all Dearborn products.

TRADE MARKS

- (From "The Trade Marks Journal," Janu-
- "MARTUS"; for fertilisers (1). By I
Industries, Ltd., Africa House, Kin
London, W.C.2. 631,357.
- "GARRIEUX"; for perfumery, toilet a
metic preparations (excluding soap)
By Fashionwear, Ltd., 23 Bruton
Berkeley Square, London, W.1. 63
- "KERASTOR"; for toilet preparation
By Superra, Ltd., 2 Old Bond
London, W.1. 631,248.
- "VIBRATION"; for perfumes and toilet
(3). By D. R. Collins, Ltd., 52
Mews, Davies Street, London, W.1. 6
- "SKOR"; for medicated sweetmeats (5)
Gallowhur Chemical Corporation
Stevens, Langner, Parry & Rollinson
9 Quality Court, Chancery Lane, L
W.C.2. 627,769.
- "MICOREN"; for pharmaceutical and s
ubstances, plasters, bandage materi
infectants (excluding veterinary subs
infants', invalids' and dietetic food
medicated sweetmeats) (5). By J. R
Société Anonyme, c/o Henry Inrie
72 and 74 Cannon Street, London, E
- "DIASANA"; for medicated sweetmea
By Barker & Dobson, Ltd., Franklin
Whitefield Road, Everton, Liverpo
629,655 (Associated).
- "VELPAX"; for catamenial appliance
sanitary underclothing (5). By L.
Edwards, 7c Lower Belgrave Street
London, S.W.1. 630,328.
- "RECTOPAX"; for pharmaceutical prepa
and substances for use in treatment of
diseases (5). By R. Blackie, Lt
Bellenden Road, Peckham, London, S
631,051.
- "VALODEX"; for pharmaceutical prepa
(5). By Cameron Pharmaceuticals,
Lavender House, Seymour Road, L
London, E.10. 631,414.
- "PYRIDIT"; for insecticides (5). By
Products, Ltd., 14 Waterloo Place
Mall, London, S.W.1. 631,419.
- "MELODREE"; for pharmaceutical ton
parations (5). By Western Chemical
trades (Cardiff), Ltd., Grosvenor
Cornerswell Lane, Penarth, Glam. 6
- "CAMDOGON"; for pharmaceutical pr
tions (5). By Camden Chemical Co.
Northington House, Northington
London, W.C.1. 631,438.
- "CIMLAC"; for medicated preparatio
application to the human skin (5)
Calmic, Ltd., Lostock Grange, West H
ton, Lancs. 631,739.
- "DOLSA"; for stomach powder (5).
Vickers, 180 Rice Lane, Liverpo
631,778.
- "BULLDOZER"; for all goods (25). By I
Rubber Co., Ltd., Fort Dunlop, Erdi
Birmingham. 631,282.
- "BELMAR" and "GLOBEX"; for hair c
hair pins, etc. (26). By Combex, Ltd.
House, Market Place, London, C
631,340-41 (both Associated).

DEATHS

KINSON.—At Southampton, on January 13, Mr. Wilfrid Webster Atkinson, 25 Oxford Street, Southampton, aged sixty-six. Mr. Atkinson was joint managing director of Bates & Co., Ltd., chemists, and was well-known in Southampton dockland and in many parts of the south coast, where he visited ships to test holds and tanks for the presence of poisonous gases.

For many years he represented chemists of south-west area on the National Pharmaceutical Union Executive, of which he was a past-chairman. He was also secretary of the Southampton Pharmaceutical Committee and an active member of the branch of the Pharmaceutical Society, of which he had been both chairman and secretary. Mr. Atkinson is survived by his wife, a son and two married daughters.

BLACK.—At 93, Court Hill Avenue, Glasgow, on January 27, Mr. Walter Black, of Black & Co., drysalters, Molendinar Street, Glasgow.

BRANSBY.—On January 24, Mr. Charles Bransby Bransby, M.P.S., Esmeralda, Pontt-Goch, St. Asaph, North Wales, aged eighty. Mr. Bransby qualified in 1888 and was for a time in business at Stockport.

DÉPRÉ.—On Active service with the French Army, recently, Mr. Yves Dépré, son of Mr. M. F. Dépré ("Pechiney"), 23 rue Balzac (8e), Paris.

DOWDESWELL.—On January 22, Mr. Nathan Dowdeswell, Ph.C., 15 Melville Road, Barnes, London, S.W.13. Mr. Dowdeswell was for many years in charge of the medicine-chest department of Burroughs Wellcome & Co., London, and retired in 1940, after fifty-one years' service with the company. He qualified in 1879, and passed the Pharmaceutical Chemist examination in 1882.

WILKES.—On January 24, Mr. Harry Smith Wilkes, M.P.S., Lutwyche, Malvern Wells. Mr. Wilkes qualified in 1895. At the time of his retirement, in 1941, he was manager for Savory & Moore, Ltd., New Bond Street, London.

PERSONALITIES

MR. JOHN DAVIS, M.P.S., 5 Cassio Road, Watford, was on February 6 unanimously elected a member of Watford town council.

MAJOR J. D. K. HAGUE, M.C., son of Sir Harry Hague (managing director, A. Wander, Ltd.) has been awarded a bar to the M.C.

ALDERMAN D. J. BAILEY, J.P., M.P.S., and COUNCILLOR J. W. HUDDART, M.P.S., have been appointed members of Blackpool Licensing Committee.

MR. GEORGE T. LAMB, M.P.S., 172 High Street, Montrose, has been elected chairman of the Ferryden Branch of the British Legion for a third year.

SIR WILLIAM WRIGHT SMITH (Professor of Botany, University of Edinburgh) has been presented with his portrait in oils on the occasion of his seventieth birthday.

SENATOR SIR FREDERICK SIMMONS, mayor of Londonderry, who was knighted in the New Year Honours, is the father of Mr. R. A. E. Simmons, Ph.C., 7 Mountainview Terrace, Glengormley, Belfast.

ALDERMAN C. H. CRITCHLEY, J.P., Ph.C., was on February 8 re-elected chairman of the Blackburn Guardian Society for the Protection of Trade. Alderman Critchley's family has been associated with the Society for the greater part of its ninety-eight years' history; his father (the late Mr. T. Critchley J.P., M.P.S.) also served a term as president.

MR. FRED STOREY, Ph.C., president of the Chemists' and Druggists' Society of Ireland, a past-president of the Pharmaceutical Society of Northern Ireland, Belfast Wholesale Merchants' and Manufacturers' Association, and North and West of Ireland Commercial Travellers' Association, and chairman of the Ulster Tourists' Development Association, has been co-opted a member of the Belfast Harbour Board in place of Sir Thomas McMullan.

MR. G. A. MALLINSON (secretary, National Pharmaceutical Union) contributed a letter to the "Economist," on February 3, in which he pointed out that the Chemists' Friends scheme, which had been mentioned in the paper in an article dealing with price-fixing associations, had the dual purpose of restricting sales of medicines to persons specially trained for handling them and of securing compliance with standards high enough to establish the products as valuable medicines at reasonable prices. The scheme was not, he pointed out, a price-fixing arrangement.



COMPANY NEWS

GRAHAM STANLEY, LTD. (P.C.).—Capital £500. Manufacturers of and dealers in chemicals, etc. R.O.: 1 Laurence Pountney Hill, London, E.C.4.

PROTECTOPLAST PRODUCTS, LTD. (P.C.).—Registered in Edinburgh. Capital £1,000. Packers of and dealers in surgical dressings, etc. R.O. and directors not stated.

O. M. SEMAN, LTD. (P.C.).—Capital £100. Manufacturers of chemicals, drugs, cosmetics, etc. Directors are not named. R.O.: 126 Park West, London, W.1.

JOHN TOWNSMAN, LTD. (P.C.).—Capital £500. Manufacturers of and dealers in chemicals, toilet requisites, etc. Morris Butner, director. R.O.: 5a Allington Street, London, S.W.1.

A. B. VANCE & CO., LTD. (P.C.).—Registered in Dublin. Capital £3,000. Manufacturing and distributing chemists, etc. Arthur B. Vance and Mrs. Avesia L. Vance, 7 Pembroke Street, Cork, directors.

P. F. WHITE, LTD. (P.C.).—Capital £1,250. Manufacturers of and dealers in chemicals, drugs, etc. Percy F. White, M.P.S., and Mrs. Emily J. White, both of The Pharmacy, Hadlow, Kent, directors.

BIOLOGY, LTD. (P.C.).—Capital £1,000. Druggists, manufacturers of and dealers in pharmaceutical products, surgical goods, etc. R. E. Clarke and Leonard Potter, directors. R.O.: Fieldways, Chobham, Surrey.

OLD CHELSEA PERFUMES, LTD. (P.C.).—Capital £300. Manufacturers of and dealers in toilet preparations, etc. Roger J. Juliard and Leonard Hayward, M.P.S., directors. R.O.: Drayton House, Gordon Street, London, W.C.2.

MARSHALL, MCKENNA & CO., LTD. (P.C.).—Registered in Belfast. Capital £500. Dealers in and agents for chemicals, drugs, etc. Marshall McKenna and George Harpur, directors. R.O.: 61 Upper Church Lane, Belfast.

HERBERT TURTON, LTD. (P.C.).—Capital £2,000. Wholesale or retail chemists, chemists' sundriesmen, etc. Mary E. Turton and Dorothy R. Turton, M.P.S., directors. R.O.: 76 London Road, Stockton Heath, nr. Warrington.

H. D. G. (PHARMACEUTICALS), LTD. (P.C.)—Capital £2,000. Manufacturing, wholesale and retail chemists and opticians, etc. Bertram H. Hunter, Sam B. Dyde, M.P.S., and Reginald H. Garnett, directors. R.O.: 10 East Parade, Leeds, 1.

PRIORY OPTICAL CO., LTD. (P.C.).—Capital £1,000. Exporters, manufacturers wholesalers and retailers of optical, surgical photographic and scientific instruments etc. Directors to be appointed. Secretary D. W. Jayson. R.O. not stated.

SOUTHALLS (BIRMINGHAM), LTD.—Directors' report and accounts for the year ended December 31, 1944, show that the balance on trading, including income from subsidiary company, after providing for excess profits tax, amounted to £180,14 (£176,911), which, with income from investments (£18,057), balance of pension fund, not required, and balance brought in, makes a total of £252,315 (£228,643). After deducting directors' fees (£700) provision for income tax (£100,000), provision for war contingencies (£16,719) and an interim dividend of 7½ per cent. (less tax) (£17,550), the directors propose a final dividend of 12½ per cent. less tax (same), and a dividend of 5 per cent., less tax, out of investment income, leaving £34,000 to be transferred to reserve fund and £42,396 (£40,609) to be carried forward. Mr. Samuel Smith, who retires from the board, offers himself for re-election.

NATIONAL CO-OPERATIVE CHEMISTS, LTD.—A circular issued by the Co-operative Wholesale Society, Ltd., to retail co-operative societies, gives an outline of a company which is in process of registration under the title National Co-operative Chemists, Ltd. The circular indicates that the company has been established to provide members of co-operative societies with a means of obtaining, through their own stores, goods sold by chemists. Many of the large co-operative societies already have pharmacies in operation, usually under the auspices of specially registered societies. Others have not ventured into pharmaceutical business, but the proposed National Health Service "makes it necessary that we should be ready to offer the services we have under discussion without undue delay." The C.W.S. hopes to establish a national chain of chemists' shops, which, with existing co-operative pharmacies, will cover the country. In view of the difficulty of securing pharmacists to manage shops, and of securing licences to commence business, the National Society is prepared to purchase existing businesses.

Still Required.—Your waste paper and cardboard are still wanted for salvage.

CHIROPODY AND THE PHARMACIST

by "Podiatrist"

In the years preceding the war there was a steady flow of pharmacists entering the profession of chiropody. They had in view, no doubt, the addition of a profitable department to their existing businesses. Here and there specialist chiropodists disapproved of this "invasion" into their sphere of activity, contending that chiropodists should engage solely in that profession, and that its practice should not be a mere addition to some other type of work. It is true that the majority of practising chiropodists make it their sole means of livelihood, but there are, in addition, a large number of other classes, including dentists and pharmacists, who make a useful addition to their income through the practice of chiropody.

Technical Standards

The Chiropody Associations do not appear to have the least objection to chiropodists being allied to any other suitable business or profession, providing the practitioner complies with the rules which adhere to the ethical codes laid down. Present chiropodists are without legal status, but their professional organisations are determined to have the matter right immediately after the war. The recognition granted to the profession was given by the medical profession a few years ago, when the British Medical Association set up a Board of Registration of Medical Auxiliaries. This organisation embraces associations representing masters, chiropodists, dispensing opticians, speech therapists, radiographers, etc. It admits only associations which have been found, after investigation, to have high standards of training, examinations and ethics. The Board issues a certificate of registration to each practitioner, and publishes a register of chiropodists, which is issued free, upon request, to the medical and allied professions, and to any public authority or body. Not all qualified chiropodists are on the register. There is, in fact, a serious problem of disunity in the profession, many chiropodists wishing to remain independent of the British Medical Association. The independent chiropodists have formed their own body, known as the Joint Council of Chiropodists, which maintains its own register of members, but does not issue it in the same way as the British Medical Association. The Joint Council also examines students and entrants to the

profession, and the standard is quite high. Its code of ethics is similar to that of the Board of Registration. Whether or not the two representative bodies will sink their differences for the eventual benefit of all remains to be seen. Unless they do, it is difficult to imagine any Government granting a real measure of recognition or State registration.

Whilst the disunity operates many persons are taking advantage of the situation to enter the profession by "back-door" methods.

A Growing Profession

Chiropody is a growing profession and there is undoubtedly plenty of room for the fully trained practitioner of the right type. The advantages to pharmacists, provided the opportunity is present, of taking up chiropody are obvious, for their knowledge of chemistry and allied medical subjects, and natural flair for attending to the needs of the human body, give them a substantial start in training, while a potential *clientèle* is already established among their regular customers. At present, of course, few pharmacists are in a position to devote attention to new departments, but chiropody as a field for post-war development deserves to be considered. Intending students should avoid short intensive and postal courses of training. Chiropody, like pharmacy, cannot be taught successfully by these methods. Both the Board of Registration of Medical Auxiliaries and the Joint Council of Chiropodists have approved training schools, with certified teachers who are willing to accept students or private pupils for the approved courses of training. Information may be obtained from the Board of Registration of Medical Auxiliaries, B.M.A. House, Tavistock Square, London, or the Joint Council of Chiropodists, 223 Borough High Street, London, S.E.1. Subscribers may like to be reminded that a series of articles on the practice of chiropody appeared in a number of issues of the C. & D. in January and February 1936.

Menthol in Cigarettes.—"Some cigarette smokers have developed a new habit—carrying a quantity of menthol in the cigarette box or case with an idea of giving an added kick to the smoke and as an aid against catching colds."—"News Chronicle."

EVENING MEETING IN EDINBURGH

THE second evening meeting of the session of the North British Branch of the Pharmaceutical Society was held in Edinburgh on January 24, Mr. Alexander Murray (vice-chairman of the Executive) presiding. He called on MR. S. W. CHALLINOR, B.Sc., Ph.D., F.R.I.C. (Lewis Cameron Teaching Fellow, Department of Bacteriology, University of Edinburgh), to give his address:—

"Penicillin"

Until penicillin became available in adequate quantities for research, the drug was made in the surgical and bacteriological departments of the University of Edinburgh, and during the past two years a team of workers has been investigating aspects of penicillin therapy. The author is therefore able to speak with practical experience on some of the problems involved.

The sodium salt of penicillin is in the form of a brown or yellow powder with an activity of the order of 40–50 units per mgm. The unit (the Oxford unit) has been defined as "that amount of penicillin which when dissolved in 50 mils of meat extract broth just inhibits completely the growth of the test strain of *Staphylococcus aureus*." One mgm. in 50 c.c. corresponds to a dilution of 1 gm. in 50,000 c.c.; it follows that penicillin with a potency of 100 units per mgm. would inhibit completely the growth of the staphylococcus at a dilution of 1 in 5 million. The unit represents less than $\frac{1}{1000}$ mgm. of pure penicillin.

The yield of penicillin is dependent upon the amount formed in the crude culture fluid. Greatly increased yields are now being obtained and improved methods of extraction are being used, but it is not permissible to discuss them. A method used in Edinburgh may, however, be mentioned. Attempts were made to obtain greater yields in the culture fluid by increasing the buffering of the medium and in other ways, and a three-fold increase in the yield of penicillin in the culture fluid, as compared with the author's yield by the Oxford method, was finally obtained.

Chemical Properties

Penicillin is an organic acid, very soluble in water and in organic solvents. It is extremely labile, especially in aqueous solution, being inactivated by both acids and alkalis. For example, dissolved in N/10 HCl, the barium salt loses 50 per cent. of its activity in three minutes at 0°C.

Aqueous solutions are most stable over the narrow pH range pH 5.5–7.5. Even mild reagents such as alcohols inactive penicillin, and hypodermic syringes used for penicillin injection should therefore not be rinsed in ethyl alcohol or methyl alcohol. Penicillin is inactivated by primary amines and ketonic reagents and, although stable to certain reducing agents, is readily destroyed by oxidising reagents. Certain metallic ions (e.g., Zn, Cu, Cd, Pb) also inactivate it. Empirical formulae have been suggested for penicillin showing that the elements C, H, O and N are present. Impure penicillin was used and no work on chemically pure penicillin relating to the nature of its structural formulae has been published.

Chemotherapeutic Properties

Penicillin is an antibacterial substance of extraordinary potency and its action is stated to be mainly bacteriostatic. It is active in the presence of large numbers of bacteria as in the presence of few; and it is not inactivated by the presence of blood serum or pus—properties not shared by the sulphonamides. Penicillin is selective in action, inhibiting the growth of certain bacteria (e.g. gram-positive cocci) without having a demonstrable effect upon others. The gram-negative bacteria are usually penicillin-resistant, with the important exceptions of the meningococcus and gonococcus, which are exceedingly sensitive; among pathogenic gram-positive bacteria sensitive to penicillin are *staphylococci*, *streptococci*, *pneumococci*, and *pathogenic clostridia*. Variation in the behaviour towards penicillin of different strains of a species has been recorded. Penicillin's three principal properties—powerful antibacterial action; ability to act without loss of efficiency in the presence of blood, serum or pus; and almost complete absence of toxicity, are the fundamental properties required of an ideal chemotherapeutic agent.

By preventing the multiplication of bacteria penicillin enables the body defences, of which the leucocytes constitute an important part, to gain the upper hand. It is suggested that the drug acts by interfering with the normal function of the -SH (sulphydryl) group—a group which is essential for the metabolism of living cells. Owing to the nature of its antibacterial action it is necessary, not only to establish but also to maintain, an adequate concen-

tion of the drug in the body (in the blood in a generalised infection). Penicillin is rapidly excreted; and repeated or continuous administration is therefore essential. Oral administration is impracticable owing to the acidity of the gastric juice of the stomach, and intramuscular or travenous injection is therefore employed. The injections may be intermittent or continuous. When continuous intramuscular infusion is adopted (e.g., 100,000 units per day), some automatic control is desirable, and apparatus especially designed for the purpose has been developed in Edinburgh. When the bacterial infection is localised, penicillin may be injected directly into the infected area.

Dispensing of Penicillin

The sodium and calcium salts of penicillin are used therapeutically. They are yellow powders, stated in 1944 to contain "only about 10-20 per cent. of actual penicillin"; the sodium salt is hygroscopic. It should be stored in a sealed container, if possible in a refrigerator. Strict aseptic precautions must be taken in dispensing, whether the drug is required in the form of a solution, cream, or powder; penicillin is often required in powder form diluted with one of the sulphonamides. It is also available in tablet form. The stated potency of any penicillin preparation (i.e. number of units per ampoule or per tablet) must be accepted, and a date after which the preparation should not be used is sometimes given. Clinical methods are not at present available for quantitative estimations, and assay by biological methods. As at present supplied, penicillin is not labelled sterile, but precautions are taken by the manufacturers to ensure that their products are sterile when issued; testing of penicillin for sterility is not easy, on account of its great antibacterial activity, but, with the aid of penicillinase, sterility tests may be made. Solutions in pyrogen-free isotonic saline containing 1,000 units per ml are often required (e.g., for continuous intramuscular infusion and for local application). Penicillin solutions are best prepared shortly before required. For creams the requisite amount of penicillin may conveniently be added in the form of a solution to the lanette wax base. If storage of penicillin aqueous solution is necessary it must be in the refrigerator. Powders and creams gradually lose their potency and should be stored in the refrigerator, in which they retain their activity for a reasonable (united) period of time.

Discussion

DR. WILKIE MILLAR, looking at the question from the medical point of view, asked whether Dr. Challinor could give any information as to the discomfort a patient was liable to suffer when given intramuscular injections of penicillin. He had heard reports that not only did it give considerable pain but that, after a number of injections, patients dreaded the sight of the syringe.—DR. CHALLINOR said that there was certainly some pain when an injection was made, but that with the penicillin now being used the pain was greatly diminished. With the continuous method the unpleasantness of repeated injection was avoided. The drip went on working night and day. Indeed, they had had cases where the actual drip had not been changed for a full week.

DR. TAIT asked if it was possible to use penicillin in the form of a pastille; if it could be used in this form, it might be effective in any throat or mouth condition.

MR. MONCUR asked whether the recovery of penicillin from urine had been entirely discontinued.—DR. CHALLINOR explained that, although a purer penicillin might be obtained from urine, the method took so much time and trouble that it had been definitely discontinued in Great Britain.

MR. TWEDDELL asked whether, penicillin being bacteriostatic and inhibiting reproduction, Dr. Challinor would advocate the use of some other drug to overcome the bacteria while the penicillin was holding them in a static condition?—The reply was that this was unnecessary. The use of penicillin prevented microbes from multiplying, and consequently the body was in a better position to deal with the invading organism. While it was generally accepted that the action of penicillin was mainly bacteriostatic, there had recently appeared in several scientific papers articles dealing with a bactericidal effect of penicillin.

DR. PERCIVAL, who moved a vote of thanks to the lecturer, said that Dr. Challinor's contributions towards the work on penicillin had been valuable. He was sure the lecture would give those who might soon be called upon to use penicillin a good idea of how to handle it. The vote of thanks was seconded by DR. WILKIE MILLAR and heartily endorsed.

DR. TAIT thanked Mr. Gordon Perrins (Royal Infirmary) for fixing up the apparatus with which Dr. Challinor had illustrated his address. On the motion of MR. DRUMMOND, a vote of thanks was accorded the chairman.

IRISH DRUG ASSOCIATION ANNUAL MEETING

THE setting-up of a bureau of standards for medicinal preparations retailed through chemists in Eire was suggested by MR. LYALL G. SMITH (president), in his address to the annual meeting of the Irish Drug Association, held in Dublin on January 29. Mr. Smith said:

The year that has passed has been an active one for the Association. In addition to the usual committee meetings, at which there has been an ever-increasing amount of work to be got through, there have been numerous subcommittee meetings. Many of us thought this time last year that during 1944 we should enter the post-war period. That is still before us; nevertheless, there has been during the past few months a tendency for prices to fall, and the committee has been active in obtaining rebates for goods in stock. We intend to pursue this policy wherever possible. During the year we have obtained seventy-three new members, and membership at December 31, 1944, stood at a record figure. In January we published a new price list; and a word of appreciation should be extended to a member of the committee who worked hard to produce so comprehensive a list in war-time. It was found necessary to publish a second edition in February.

Action on Margins and Prices

Following up our policy of obtaining a minimum profit of 33½ per cent. we again approached the manufacturers of a certain proprietary medicine, and have at last been successful in obtaining, during the period of the emergency, a discount of 33½ per cent. on 1-doz. lots and over. We also concluded an agreement with another manufacturer to confine the sale of his products in Eire to chemists and registered druggists. The profit margin on products of this company is now 33½ per cent., plus 10 per cent. co-operation discount, and by co-operation is entailed the non-displaying of nationally advertised lines of a competitive nature which are not confined to chemists.

Another agreement reached was that with the Irish Transport Company, whereby we agreed to dispense and compound medicines at contract prices, from a special formulary only, to members and to their wives and children under sixteen years of age. Criticism in this respect has been due largely to lack of knowledge regarding the details. In March, following the report of a subcommittee that met the representa-

tives of the chemists' branch of the Union of Distributive Workers and Cl it was agreed, subject to ministerial fication, to pay a further suppleme war bonus of 5s. for male employees 4s. for female.

Policy Towards New Products

In conjunction with the Pharmaceutical Society of Ireland a joint committee set up to deal with manufacturers w policy was to withhold from chem supplies of their veterinary preparat The committee has met with succe certain directions. With a view to ma manufacturers acquainted with the proved list, we intend to advertise in trade Press, so that in future, and espec in the post-war period, manufac wishing to market their goods thro Irish pharmacists may have their pro placed on the approved list. Certain m facturers have been pressing for the enlment of the approved list to include cosmetic and toilet preparations. T are difficulties in the way; nevertheless the committee intends to give every sideration to the matter.

Whilst speaking about the approved I would like to suggest for the considera of the members the desirability of set up a bureau of standards. In recent y owing possibly to the difficulty of obtai suitable raw material, certain medi goods have come on the market, atively packed and extensively advert but with little or no medicinal value. new preparations to have to conform set standards would avoid exploitatio the chemist's reputation. The idea is new. The National Pharmaceutical U in England operates a standards commi and there are others in South Africa America. I would like to pay tribut our trade papers, both of which have g us considerable help. Finally I would to thank members of the committee loyal support and co-operation.

MR. J. GLEESON, speaking for the p dent of the Pharmaceutical Society Ireland, who had been unavoidably tained, moved adoption of the rep MR. D. J. NUGENT, seconding, said he glad to show his appreciation of the w Mr. Lyall Smith and the committee done, because Mr. Smith's father John Smith) had been a friendly compe for many years. The report was un mously adopted.

reader's Report

G. A. MCLEAN LEE, presenting his report as treasurer, said they had had a successful year financially, and the way options had come in was really a

Income for the year ended December 1944, was £1,782, and expenditure

The heaviest item of expenditure was the printing of the price list, which stood at £70. Subscriptions had brought in £225; and interest on dividends, £58. Stood at £2,007; cash at bank, and investments, £1,681.

T. C. SCOTT moved adoption of the

Mr. McLean Lee, he said, being a goodooked after their funds well. After it should be possible to run some ty scheme to popularise the chemist's, and finance it with a levy of, say, per member annually. MR. J. A. RKE thought Mr. Scott had struck portant note in suggesting the need st-war publicity. Before the present something of the kind had been undertaken in New Zealand by the Government of Pharmacy. He hoped their rer would be with them for many to come. Declaring the motion d, THE PRESIDENT said the committee take note of Mr. Scott's suggestion. had already decided to advertise selves in the trade Press for the t of manufacturers, and it was only further to advertise to the public.

Committee Re-elected

The following outgoing members of the committee were unanimously re-elected, on the motion of MR. T. R. BOURKE, seconded by MR. C. J. CREMEN: Messrs. F. J. Meagher, Lyall G. Smith, P. F. Rath, E. McSweeney, A. J. Donnell, Costelloe, and D. J. Bridgeman. Miss

McNamara was re-elected *Auditor*, on the motion of MR. MCLEAN LEE, seconded by MR. BRIDGEMAN.

MR. C. J. CREMEN (president, Pharmaceutical Society of Ireland) complimented the committee on fine work done during the year.

MR. O'ROURKE suggested that, in the post-war period, the wholesale section, wholesale and retail sections combined, should be consulted as to shipping priorities. It was a problem bound to arise, which might cause friction, and it would prevent delay if they could make unanimous representations to the Department of Industry and Commerce.—THE PRESIDENT pointed out that the wholesale section

had acted as a body in this matter, and had arranged their own shipping space. Priority had always been given for the importation of essential medicinal lines.

MR. M. D. McHALE suggested there should be an early closing on a uniform day in the week in the suburbs. At present they had the whole staff on two or three days and only a skeleton staff at busy hours.—THE PRESIDENT said that a general half-holiday closing in the Dublin suburbs would be rather difficult to operate. The question would arise as to where people were going to get prescriptions made up on the half-day. The only alternative he could see to Mr. McHale's proposal was staggered closing.—MR. McHALE said that, if they closed for the half-day on Wednesday in the suburbs, pharmacies would still be open in the centre of the city. He thought "this urgency business" was over-rated.

—THE PRESIDENT: A good number of prescriptions are dispensed on Sunday mornings.—MR. McHALE: It would be much better to be busier during the hours of opening.

MR. SCOTT thought it might be possible to do what was done in Limerick, and open from 6 to 8 p.m. on Thursdays. MR. McHALE said the half-day closing worked in Waterford, Sligo, and elsewhere.—MR. MEAGHER mentioned that there were only twenty chemists in Waterford and about twelve in Sligo, while they had about three hundred in Dublin. Difficulty would arise in border areas. The committee had considered all these things.—MR. MCLEAN LEE referred to difficulties that would have arisen with restricted closing.

MR. NUGENT, supporting Mr. McHale, said it would be a great idea if the closing for one half-day could be worked.

MR. CREMEN saw the Committee's difficulty in trying to enforce a definite day. A little local organisation might do a great deal.

MR. O'ROURKE thought that in the matter of early closing the initiative must come from the small local areas. He would like to know how the restricted hours of opening worked in the North and in Great Britain.—THE PRESIDENT pointed out that conditions in the North and Great Britain were not analogous to those in Dublin, where they had no black-out.

MR. COSTELLOE raised the question of an Irish manufacturer who had put a brand of malt and oil on the market the label on which bore a retail price at variance with that in the I.D.A. price list. The matter was left with the president and committee.

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CXLIII FEBRUARY 17, 1945 NO. 3393

The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

"In Committee"

our readers may have inferred, the aggressiveness of most of our recent reports of the Pharmaceutical Society's Council meetings is almost entirely due to circumstances beyond our control. This is not exactly a new complaint, but we feel fully justified in repeating it. In an increasing degree discussions are conducted "in committee," a process that cannot conduce to the better knowledge of Council activities which we are told their electors desire. An illustration of this tendency may be seen in our report of the meeting of the Council held December 1943 (*C. & D.*, 1943, II, 593), one stage of which a councillor exclaimed: What has happened to the Committee? We are discussing important matters, Mr. President." If this is the attitude of the majority of Council members, the outcome may be serious. Such an obsession can easily lead to arbitrary action—to the issue of ukases decided upon in secret sessions. Two recent announcements suggest that this type of procedure is favoured. One occurs in the Council's report on certain resolutions passed at a Branch Representatives' meeting last year (*C. & D.*,

February 3, p. 113). The proposal that the Joint Pharmaceutical Committee should include a pharmacist delegate from the company chemists has, we read,

"been further fully considered by the Council, which has concluded that it would be unwise at the present time to extend the membership of the Committee. Its membership is confined at present to representatives of organisations which have a substantial community of interest and, if others were to be added, the additions could not be restricted to representatives of the Company Chemists' Association."

Most people would, we contend, agree that the Company Chemists' Association, representing a number of pharmacies running well into four figures, had "a substantial community of interest" with individual proprietors of pharmacies in negotiations for dispensing on a national scale. The suggestion that the addition of a pharmacist representing this Association must involve that of representatives of one or more other bodies is equally pointless. A clear distinction is to be drawn between company chemists and departmental stores. We have not forgotten that the Council is free to accept or to reject recommendations of its Branch Representatives and other members of the Society: if the members wish this position changed—and perhaps the majority do—they must take steps accordingly. The point we are making now is that members of the Society should have been given particulars of the discussions by means of which the Society's Council "further fully considered" the branch representatives' resolution about representation of the company chemists on the Joint Pharmaceutical Committee.

The second announcement to which we refer is that of the co-optation of a councillor to fill the vacancy caused by the death of Mr. Skinner. Let it be made clear at once that the Council's choice is a good one: a hospital pharmacist is succeeded by a hospital pharmacist, a pharmacist whose record gives promise of useful work. It is the method adopted that causes misgiving. Till recent years it was the practice to allow an interval between the official

announcement of the death or resignation of a councillor and the co-optation of a successor: in May 1921, for instance, the interval was fourteen days, and in April—May 1926, it was twenty-eight days. On January 3, 1934, it was decided to adjourn the Council meeting to "a date in February," so that a declared vacancy might be filled "at the same meeting" as it was notified. Any legitimate way of satisfying the requirements of the Society's by-laws, which regulates the procedure referred to, is entitled to respect: but last month's co-optation was disclosed to the world without any indication of its place in the Council meeting, without information as to unanimity in voting, and not even as part of the report of the meeting. We deprecate this cavalier treatment of an essential part of the Council's functions. We suggest that in future all such elections take place in open Council so that members of the Society may learn what other candidates, if any, have been proposed, and how many votes were given for each.

Finance and World Trade

Now that the American Bankers' Association has issued a report hostile to the International Monetary Fund proposed by the United Nations' Monetary and Financial Conference held at Bretton Woods, U.S.A., in 1944, the Fund is under fire from both sides of the Atlantic, though for different reasons. The contention of the U.S. bankers is that such a fund is undesirable because it introduces a method of lending which is novel and "contrary to accepted credit principles." A special committee of the London Chamber of Commerce, on the other hand, in a report recently issued, objected to the proposals because they appear to embody a belief in "the acquisition of foreign money as an end in itself, to be used for purposes other than the return purchase of goods and services." Their argument, if true of the Conference scheme, is *a fortiori* applicable to what the American bankers would apparently put forward in place of it.

The London Chamber's report charges the International Monetary Fund with depriving nations of their trade defences

whilst failing to remove the perils which called them into being. Analysing causes of default, it argues that a creation which refuses payments in goods or services is not less responsible for a breakdown in international trade than which imports more than it can pay for in exports acceptable to a willing buyer. "The implied contract, when a nation imports consumers' goods, is that its goods or services will, in due course, be taken in exchange, either directly or through a third party; and the same is true . . . when it imports goods on capital account."

Money or Goods Balances

The purpose of an International Monetary Fund is clearly to facilitate a balance of accounts throughout the world, and in the Chamber's view, the Fund as proposed fails to do, because its provision is directed to ensuring a balance in money and not in goods and services. If a country persistently refuses to accept imports in return for exports, the Fund proposes to borrow currency of the country to lend to other nations. "This can only lead to other nations getting into further debt to the one which refuses to take their goods."

Between the points of view of the British merchants and the American bankers there seems at present an unbridgeable gulf. In place of the Monetary Fund the bankers recommend that the capital funds of the United States Export-Import Bank should be increased to \$2,000 million "to meet promptly any deserving credit needs." It is within the memory of us all that between the two wars the "deserving credit needs" of Germany—to quote a concrete example—were met by loans from American and British banks—loans which were promptly expended on goods (e.g. pig iron) for war industries, with most unsatisfactory results for international trade. It is not for us to pronounce on the merits of the Bretton Woods proposals, but in examining them to see whether they will have the effect of securing a free exchange of goods, rather than of maintaining the accepted criteria of orthodox finance, the London Chamber of Commerce is perhaps more to be commended than the American Bankers' Association.

Glucose at Woolworth's

ALTHOUGH many chemists are without supplies of glucose with vitamin D for sale to their customers, displays of this important medicinal product are to be seen on the shelves of some branches of F. W. Woolworth & Co., Ltd. It might be thought that this fact was sufficient to undermine the supervision voluntarily imposed by chemists, limiting sales to patients known to be in special need of glucose. Not necessarily so. When a customer attempts to buy a packet at Woolworth's he is met with the polite request from the girl at the counter: "May I see your prescription?" It is idle for him to protest that there is no pharmacist on the premises competent to

assess the authenticity of the prescription. If the manager is called, he is adamant. No prescription, no glucose!

What a travesty of equitable distribution this is! Most pharmacists have been anxious lest, when restricted supplies of drugs no longer dominated the situation, the Pharmacy and Medicines Act, 1941, would open the flood-gates to the universal distribution of proprietary medicines. Some have prophesied the employment of a qualified man in every Woolworth store. The present position, in which the manager or his assistant can pose as an expert on prescriptions, is neither a by-effect of the legislation nor has it the sanction of common sense. Available supplies should pass through the proper channels.

CONTROL OVER PROPRIETARY MEDICINES

The following communication was addressed by the Editor to six members of the Council of the Pharmaceutical Society of Great Britain who are seeking re-election at the forthcoming Council election and in an election statement, advocated control over proprietary medicines.

We note in the joint 'Statement of Policy' submitted by yourself and five other members of the Council who are seeking re-election, the following important point:—

PROPRIETARY MEDICINES. To secure effective control over proprietary medicines. We feel that it is probable a substantial portion of the voters who would otherwise support your candidature may find it difficult to do so without first being advised as to the form, extent and method of operation of the control you and your colleagues propose. In view to assisting in securing a maximum at the election we invite you, individually or collectively, to send in for publication a detailed statement indicating the form, extent and method of operation of the control of proprietary medicines you have in mind."

A collective reply was received, as follows: "The control of proprietary medicines is a new subject. In spite of improvements brought about by recent legislation and voluntary control the position is still unsatisfactory from the point of view of the public interest, and detrimental to pharmacy, which inevitably suffers from association with the proprietary medicine trade at present conducted. The merits of separations are often exaggerated by warranted claims and, by indirect means, such as the publication of testimonials, the indiscriminate taking of medicine is encouraged and the volume and blatancy of advertising tends to de-

velop in the public mind an interest in morbidity rather than in health.

In the methods of propaganda and marketing applied to them, proprietary medicines are coming more and more to be treated as ordinary commodities to be picked up from bazaar counters and consumed much in the same way as food and drink. The respect in which medicines should be held by the public, if their use is not to be abused, is thereby undermined. The present disclosure regulations under the Pharmacy and Medicines Act, 1941, have shown these to be insufficient to secure, in all cases, proper understanding of the position of proprietary medicines. Further reforms are therefore needed in regard to the advertising and disclosure of composition of proprietary medicines. Also their sale should be restricted to pharmacists, since this would not only mean that such medicines would be sold by persons in a position to exercise discrimination in their sale, but would provide a further safeguard in that pharmacists are subject to disciplinary control.

At a recent meeting the Council of the Society passed a resolution asking the Ministry of Health to establish machinery to prevent the abuses associated with proprietary medicines, particularly in view of the pending National Health Service. We feel strongly that pharmacists as a body should have an enlightened policy in regard to proprietary medicines which will command public respect and should urge that policy upon the authorities.

W. DEACON.	A. A. MELDRUM.
W. S. HOWELLS.	H. C. SHAW.
J. F. MCNEAL.	F. C. WILSON.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

THE monthly meeting of the Council of the Pharmaceutical Society was held in London on February 6 and 7, the president (Mr. F. G. Wells) in the chair.

Tuesday's Session

Miss Islip was appointed a member of the Publications, Public Services and Organisation Committees, and Mr. W. S. Howells a member of the Central Pharmaceutical War Committee (to fill a vacancy created by the death of Mr. Herbert Skinner). A reply was received from the Ministry of Health stating that the terms of the Council's resolution on proprietary medicines had been noted. The Council gratefully accepted from Mrs. Skinner, as a memento of her husband, and for the use of the Codex Department, a book-case which had been presented to Mr. Skinner by the North London Pharmacists' Association and Branch on his retirement from the secretaryship after twenty-five years.

Letters were received from the Blackpool Branch, conveying resolutions stating (a) that the Branch considered the time was now opportune for the election of members of Council on a basis of area representation, and (b) that all resolutions passed at Branch Representatives' meetings should be acted upon by the Council forthwith, and from the Chemical Society conveying a report of the Harrison Memorial Prize Selection Committee that three applications had been received, and that the Harrison Memorial prize for 1944 had been awarded to Dr. Leslie Frederick Wiggins. It was decided to reply to the Blackpool Branch explaining the Council's views on the points it had raised.

The Council decided to make representations to the Home Office for the inclusion of zinc phosphide in the Poisons List.

Wednesday's Proceedings

THE PRESIDENT said his first duty was to extend a cordial welcome to their new member, Miss M. C. Islip. Miss Islip was a past-chairman of the Harrow Branch, president of the National Association of Women Pharmacists, and a member of the Guild of Public Pharmacists. For twelve years she had been chief pharmacist at the Paddington Children's Hospital. Miss ISLIP thanked the president and members of the Council for their welcome, and said she had pharmacy very much at heart, and would try to be a useful member of the Council.

THE PRESIDENT then made reference to the passing of an old friend: Mr. Keall, a former member of the Council, vice-president of the Society, 1932, and president, 1933-35. During these years he had won the esteem and regard of every member of the Council. The Council stood in silence in memory of Mr. Keall.

New Year greetings were received from the Pharmaceutical Societies of South Australia and Victoria, the Pharmacy Board of Victoria, and the American Canadian Pharmaceutical Associations.

Registrar's Report

THE REGISTRAR reported that, since the previous meeting, fifty-eight persons had been registered as apprentices or students. Twenty-two members of the Society had been nominated as candidates for Council, eighteen of whom had accepted nomination. Five nominations as auditors had been received—equal to the number of vacancies—and all had expressed willingness to accept office. Applications for restoration to the register of chemists and druggists had been received from twenty-one persons whose names had been removed during previous years. The Council agreed to the award of diplomas to two pharmaceutical chemists who had passed the recent examination. It was necessary for the Council to agree that two persons who had passed the examination for former pharmacists should be registered: Home Office approval had been given. Two others had passed, and approval was given for their registration subject to Home Office approval. A copy of the registrar's report for 1944 was put before the Council, and the registrar was instructed to send a copy to the Privy Council.

Reports of Committees

MR. G. R. KNOX MAWER, moving minutes of the Education Committee, said the Committee saw no reason why conditions for the approval of premises should not now be applied to premises registered under Part I of the Pharmacy and Poisons Act, 1933. Before recommending a date upon which this should come into operation, the secretary was asked to submit to the Committee notes for the guidance of persons inspecting retail premises. Minutes were approved.

The minutes of the Benevolent Fund Establishment, and Finance Committee were approved.

was reported that the total contributions through the West Riding "Penny-in-the-pound" scheme now amounted to £500 monthly, which was divided equally between the War Aid and War Distress Funds. The secretary was directed to send a letter of thanks to Mr. J. T. Appleton for special efforts in the West Riding.

The report of the Law Committee, presided over by SIR MALCOLM DELEVINGNE, showed that the premises of 658 authorised sellers, fifteen listed sellers and 325 drugges and similar traders had been visited by the Society's inspectors and agents during the month. Six cases of alleged infringements had been considered and appropriate action had been taken. The chairman was asked to consider a number of instances in which dispensing services were referred to in advertisements published by authorised sellers of poisons.

Branch Representatives' Meeting Reports

M. R. F. C. WILSON, moving the minutes of the Organisation Committee, said his Committee recommended approval of the following resolution, which had been referred to the Committee by the Council:—

That in order to obtain published reports of future Branch Representatives' meetings without undue delay, pharmaceutical Press representatives should be invited to attend in their official capacity.

M. R. A. R. MELHUISH thought the Council ought to have been consulted before such a recommendation was made.—MR. WILSON replied that other bodies of similar standing to their own went even further than they themselves did, and they did not think there was no justification for excluding pharmaceutical Press from their meetings. What went on there was a matter of rest to every pharmacist.—THE PRESIDENT said he took it the chairman of any meeting always had the power to exclude Press or ask the Press not to report any particular passage.—MR. KNOX MAWER said that, if the general Press were there, he knew perfectly well that certain journals went to all types of people, and he thought there should be some protection.—THE PRESIDENT said the protection was really left in the hands of the chairman.—M. G. R. KNOX MAWER: So long as it is the Press can be asked to retire.

MR. A. A. MELDRUM declared that there were men who stood up at meetings and said things they did not want to see in print, but it would be a lot better for the Society if they were reported. It was decided to communicate with Branches about

the appointment of representatives to the next meeting, but to leave the date open for the present. It was also agreed to encourage branches to discuss the Ministry of Health bulletins. The minutes were approved.

The minutes of the Public Services Committee were deferred until after the public business. MR. W. DEACON moved the minutes of the War Aid Committee, which were agreed without discussion. THE PRESIDENT reported that a meeting of the Codex Committee had been held on February 5, at which Mr. C. W. Maplethorpe had been unanimously elected chairman in place of Mr. Skinner.

N.P.U. GUARANTEE FUND

THE initial response to the circulars launching the N.P.U. Business Purchase and Guaranteed Fund is understood to have been most encouraging, indicating that it will be successfully established as a permanent feature of pharmaceutical organisation. The scope of operation of the Fund will depend entirely on the amount of support by proprietor pharmacists. There will be no lack of "borrower" members; it is the "investor" or "lender" members who are, and always must be, the main support of the scheme. Many proprietor pharmacists keep a larger sum in their bank account than they need, on which they get practically no interest; for such pharmacists to bank that money with the fund will yield them an immediate $2\frac{1}{2}$ per cent. interest.

The advantages to the investor proprietor are that he becomes entitled to use the fund when selling his business, whether or not the purchaser is a member, and although the scheme is not primarily a profit-making venture, an increase in the rate of interest on proprietor investors' loans will be given if the success of the scheme justifies such an increase. Many inquiries are being received from borrower members as to whether a list of members will be published. The answer is definitely no. All investments will be treated as confidential, but a list of donations will be published in due course. Another frequent inquiry is the rate of interest to be charged for loans made by the Fund. This will be the current bank rate for similar loans (about $4\frac{1}{2}$ per cent. to 5 per cent., according to circumstances), and the period of redemption of the loans will be (depending on the size of the loan and the capacity of the business) from five to fifteen years, with freedom to clear the loan at any time.

COUNCIL CANDIDATES

(Concluded from THE CHEMIST AND DRUGGIST, February 10, p. 149)

Phillipson, William Edmund



HAS been a hospital pharmacist for twenty-five years, after serving four and a half years in the fighting Forces, and an apprenticeship with an agricultural chemist in a Lancashire manufacturing town.

I do not claim to be suave or wax eloquent. Sincerity, honesty of purpose, tenacity, lucidity,

lengthy experience of committee work (mostly administrative) are the basis upon which I claim your support. I am firmly of opinion that the future progress of pharmacy lies only in advancement on professional lines, not by commercialism, nor by the sale of articles which can be sold by every store. Remuneration for services under the National Health Service will have its repercussions in the hospital services just as modern prescribing and dispensing in hospitals has upon retail pharmacy. Unity in all its branches is essential for pharmacy to become an ideal profession. Pharmacy must have equal jurisdiction over all its branches and sympathy with all members, whatever their cause. Control of businesses should be limited to rendering assistance to members returning from the Forces in order to establish them in the civilian situation they might have attained.

Ross-Mansell, John

SOMETIME chief pharmacist to St. Mary Islington Hospital, now engaged in manufacturing chemistry. Organiser of the Pharmaceutical Corps.

I want pharmacy in this country to enjoy the same status as it does on the Continent. I want to see a virile, uncompromising administration which will concern itself more with looking after the interests of our craft and its members than with acting as a glorified detective agency. With the extension of the National Health service, pharmacy must be given its proper place, and at a remuneration which does not make professional pharmacy an economic weakling, unable to stand on its own feet.

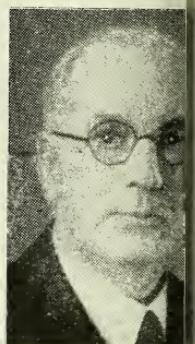
There must be an end to secret diplomas and no decision which affects the interests of practising pharmacists should be allowed to be taken behind closed doors. Unqualified, auxiliary personnel should be brought within the aegis of the Society. The "Pharmaceutical Journal" must represent the interests of the craft and its members rather than act as a platform for the officials of the Society. I give men honouring me with their support an assurance and pledge that I will not let them down.



Shaw, Granville

OBTAINED major diploma in 1907, and for thirty years represented J. Woolley, Sons & Co., Ltd., in the Midlands. Since 1938 has carried on the pharmacy of the late Mr. James Gelsthorpe, Long Eaton. A member of the Committee of the Nottingham Branch of the Society. Attended Branch Representative meeting in November 1944, also October 1944 Conference of National Pharmaceutical Union delegates. At Conferences successfully moved resolu-

The present situation has given the Pharmaceutical Council a rare chance to achieve, through the Joint Pharmacists' Committee, a unity of purpose and a spirit of friendly co-operation among pharmacists. For some obscure reason the opportunity is being wasted, and our future path is strewn with seeds of discord. If elected I shall reinforce those Council members who aim at a better spirit in the profession, with the discarding of futile prejudices, as well as the provision of an exemplary pharmaceutical service through retail



pharmacies, with full professional recognition and adequate remuneration. This means we may be able to compete returning ex-Service pharmacists.

Shaw, Henry Clement



FIFTY-THREE years of age; in retail business. Elected to Council, 1939. Treasurer of the Society since 1943.

I have the full support of the North Staffordshire Branch of the Society, of which I am an ex-president and to whose members I am well known. My policy, as in the past, is the

cation of common-sense with vision pharmaceutical problems, always with objective in view that pharmacy shall a career which is progressively worth attaining. To attain this end, I am in favour ending, provided it is wisely planned, to the new building, which it is able to complete so soon as possible, for which we shall require a loan of bly £200,000, I am in favour of raising money within pharmacy by interesting bonds of twenty to thirty years. nsider the effect of the proposed National Health Service may be such as to ge the whole practice of pharmacy; essential that our negotiations shall in a professional basis, otherwise we tend to depreciate our qualification, possibly suffer from dilution, so retard the progress of pharmacy. We have an ation to the ex-Service man, and in us ways, including refresher courses, rehabilitation should be assisted.

Steinman, Harry

LIFIED 1927. Proprietor pharmacist the past ten years; twice chairman of Chester Branch, National Pharmaceutical Union and twice chairman, Manchester Pharmaceutical Association (Junior Branch). At present vice-chairman, Manchester Branch of the Pharmaceutical Society. Member of Executive Committee of N.P.U., Central N.H.I. Committee, Trade Council and Joint Committee the new National Health Service. Mr. Steinman writes:—

have the support of the Manchester

Branches of the Society and N.P.U., of the Manchester Pharmaceutical Associations (Senior and Junior) and of the Manchester Pharmaceutical Committee. It was through the last-named body that I was able to originate the "penny-in-the-dollar scheme" for the War Aid and Distress Funds. My policy briefly is "Pharmacy in the pharmacy for and by the pharmacist," and complete co-operation and unity within the craft. I am prepared to maintain and improve the prestige and statutory position of the Society, but with this proviso—that I shall always regard the interests of the individual pharmacist as being paramount in importance. I believe in the economical administration of the finances and affairs of the Society. Application and enforcement of the Pharmacy Acts must not be oppressive. I shall support all measures to secure the early demobilisation of pharmacists and, finally, will spare no effort to secure for pharmacy its rightful place in the health services of the nation.



Wilson, Frank Clay

THE problem which must above all others receive the attention of the Council in the near future is that of the new National Health Service. The policy of the Pharmaceutical Joint Committee, and agreed by the Branch Representatives' meeting in 1944, is in my opinion the only one which will give to pharmacy its true position within the scheme. We must be prepared to fight for it. During the period of negotiation it will be essential for all pharmacists to stand together in a united front, and all must work to secure this unity. The position of the pharmacist in the Services, although improving, is still



far from satisfactory, and it will require constant attention. In view of the financial commitments of the Society's new headquarters, this side of the Society's activity will need constant supervision, and if re-elected I shall continue to work for a sound financial policy. The end of the German war will see the need for early demobilisation of pharmacists, and the Society must work with the Central Pharmaceutical War Committee to this end. Refresher courses are being prepared to help demobilised pharmacists to re-enter their profession.

Wompra, Arthur Ardwell



AGE thirty-three; qualified 1935. Manager for Boots, Ltd., Leicester. Secretary of the Leicester Branch of the Society, and of the Leicester Branch, National Pharmaceutical Employees' Union; an official N.P.E.U. candidate.

I appeal for unity of purpose to achieve the following:—(1) A National Health Service plan based on the Dawson Report. This will ensure 95 per cent. of the dispensing for chemists' shops, and a minimum number of health centres. (2) Employees' representation on Joint Committee. The support of 13,000 employees is necessary for unity, and would be a source of strength in any crisis over remuneration. (3) Company chemists' representation on joint committee; their exclusion is dangerous. (4) Early release and satisfactory rehabilitation of serving pharmacists. (5) Rejection of the Joint Industrial Council wage agreement and its replacement by a scale recognising the value of pharmacists' services. The agreement is inimical to adequate remuneration for N.H.S. I ask proprietors to help the cause of unity by giving some of their votes to employee candidates. To employees I say: "We have failed to produce an organisation which can adequately represent us. The J.I.C. agreement proves this. Our only way is to get our candidates on the Council. To whatever Union we belong, or even if we belong to no union, let us vote solidly for the four employee candidates."

COMING EVENTS

Tuesday, February 20

NEWCASTLE AND NORTHUMBERLAND BRANCH, PHARMACEUTICAL SOCIETY, Crown Clayton Street, Newcastle-on-Tyne, 7.30 p.m. Mr. H. E. Dale on "Recent Advances in Chemistry, with Reference to Medicaments."

MANCHESTER PHARMACEUTICAL ASSOCIATION AND BRANCH, Onward Hall, Deansgate, Manchester, at 7.45 p.m. Mr. A. M. M.P.S. (secretary, Wholesale Drug Association), on "Pharmacy from Outside."

Wednesday, February 21

BATH BRANCH, PHARMACEUTICAL SOCIETY, Queen's Restaurant Annex, Wood Bath, at 6.30 p.m. Fraternal meeting, 7.30 p.m., Mr. W. S. Howells (a member of the Council) on "Future Prospects and Problems of Pharmacy."

BEDFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Oddfellows Rooms, 100 Midland Bedford, at 7.30 p.m. Mr. H. E. Chapman, M.P.S. (secretary, Proprietary Articles Association), "Price-protection Problem Possibilities in the Post-war Period."

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, NORTH BRITISH BRANCH, 36 York Place, Edinburgh, at 7 p.m. Messrs. G. R. and J. T. Mearns on "The Preparation of Thrombin from Human Plasma." D. H. O. Gemmell and J. P. Todd on "Vibrated Carbon for Pharmaceutical Purposes."

ANGLESEY, NORTH CARNARVONSHIRE AND WYN BAY BRANCH, PHARMACEUTICAL SOCIETY, Robert Roberts' Café, High Bangor, at 3.15 p.m. Mr. F. C. Williams (member of the Pharmaceutical Society Council and chairman of its Organ Committee) on "Pharmacy in the New Service."

Thursday, February 22

WEST HAM AND EASTERN DISTRICT ASSEMBLY OF PHARMACISTS, Church Institute, Romford Road, London, E.15, at 2.45 p.m. Mr. C. A. Clark (Clerk to West Ham District Committee) on "The Machinery of National Health Insurance as it Affects Chemists."

Friday, February 23

NORTH METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, The Library, High East Finchley, at 7.45 p.m. Dr. Boyes on "Drugs and the Nervous System."

Sunday, February 25

MANCHESTER PHARMACEUTICAL ASSOCIATION, Ramble to Chinley, Barber Booth and field. Meet Central Station, 8.40 a.m. Chinley return.

SELLANEOUS INQUIRIES

less Shaving Cream.—*W. B.*—The formula will probably meet your requirements:—

ermaceti	..	..	..	5
ax	..	..	..	3
aric acid	..	..	..	20
cerin	..	..	..	20
tilled water	..	..	..	80
rd soap	..	..	..	10
stic soda (20% solution)	..	..	..	2

solids in the water and glycerin on a th, add the caustic soda solution and after the mixture has been removed from sre of heat.

of Medicines.—*H. L.*—The Pha-
Medicines Act, 1941, makes the
re of the active constituents or
nts compulsory for all medicines,
ive of whether they contain or are
n poisons. In addition, substances
ended as medicines, including non-
s remedies such as cough mixtures,
be sold by retail unless they are
ary products (i.e. "patent medi-

Replacement by an unqualified
of the label of a pre-packed remedy
dosage slip would be illegal, as the
ent of the dose is a "recommendation
edicine." Unqualified persons may
drugs not recommended as medi-
nd proprietary medicines provided
these are poisons.

Diluent.—*H. & W., Ltd.*—Bismuth
uds possess decided medicinal value,
even bismuth carbonate, which is
e in water, can be classed as an
bstance in a mixture containing
2 per cent. of morphine. In addi-
en the morphine is added as liq.
hydrochlor., the Ex.S.1 dilution is
D.D., irrespective of whether it
is plain water or other medicinal
such as aq. menth. pip. In the
g mixtures there are at least two
t diluents, viz.:—

1. morph. hydrochlor	3 ii	(non-inert)
chlorof.	3 ii	(")
2. menth. pip.	ad 3 viii	(")
x. S.1.) (Ex. D.D.) All ingredients		
are not inert substances.		
smuth. carb.	3 ii	(non-inert)
3. morph. hydrochlor.	3 ii	(")
4. . . . ad 3 viii		
x. S.1.) (Ex. D.D.) Two ingredients		
are not inert substances.		
smuth. carb.	3 i	(non-inert)
5. carb.	2 ii	(")
d. bicarb.	3 ii	(")
6. morph. hydrochlor.	3 ii	(")
7. . . . ad 3 viii		
x. S.1.) (Ex. D.D.) Four ingredients		
are not inert substances.		

MEDICAL ABSTRACTS

Octyl Nitrite.—Cardiac achalasia, failure of the cardia (oesophageal orifice of the stomach) to relax, is a troublesome disease involving vomiting after each meal. Glycerol trinitrate orally and amyl nitrite by inhalation have been the usual remedies. Field ("Lancet," 1944, II, 848) calls attention to octyl nitrite (2-ethyl-n-hexyl-nitrite), which is claimed to have the following advantages over amyl nitrite: Its odour is more pleasant, less pungent, and not noticeable by other persons in the room; it is less volatile and can be administered in an inhaler; it produces relief and stops vomiting, whereas amyl nitrite often causes nausea and vomiting. Over glyceryl trinitrate (tablets or solution) its advantages are that it is quicker in action, so giving less chance for food to be vomited; enables the necessary relief to be regulated by inhalations according to the oesophageal sensations felt by the patient; and produces relief and stops vomiting, whereas vomiting often continues for some time with the other nitrites.

Scabies Prophylaxis.—Experiments showing the value of a soap containing 10 per cent. Tetmosol (tetraethyl-thiuram monosulphide) are described by Mellanby in the "British Medical Journal" (January 13, p. 38). 660 female patients, of whom eighty-nine had scabies, were issued with Tetmosol soap, whilst another 441 patients, of whom seventeen had scabies, acted as controls. Forty-five male patients used Tetmosol soap, and 772 (with only one case of scabies) were used as controls. After six weeks the incidence of scabies among the patients using the soap had fallen from 13.2 to 1.3 per cent. and no new cases had occurred. In the control group the incidence had increased from 1.5 to 2.1 per cent., and eight new cases were recorded. After eleven weeks, nine patients in the Tetmosol group had scabies, only three with mites on the hands, and none with heavy parasitic infections. Three were bed patients who would have less access to the soap and whose feet might receive less lathering than the others. There were no new cases. There was a rise in the control group, of whom 3.5 per cent. were now infected. The number of new cases had increased from eight to twenty-four. Of the patients who used the soap three only (women) appeared to be sensitive to it; they developed an erythematous rash and were withdrawn from the experiment, the rash then disappearing rapidly.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

28 Essex Street, W.C.2, February 14

CONDITIONS in the London drug and chemical markets have been rather better than for some time. A fair amount of inquiry is being received, but the volume of resultant business is not large. Prices generally retain their firmness, with a few movements, mostly in an upward direction. There is little of interest to report in PHARMACEUTICAL CHEMICALS, makers' prices remaining at about the levels recorded recently.

Crude Drugs

Dealers in CRUDE DRUGS report a fair business, but the volume of goods involved is not large. A few price alterations are noted. ANTIMONY is decontrolled by a new Order (p. 157). BALSAM OF PERU is inclined firmer, while CANADA is in better demand. Spot supplies of BENZOIN now appear completely exhausted. BISMUTH METAL is fairly active. Zanzibar CLOVES, the only variety available, is firm. All the black COCHINEAL appears to have been sold, but some silver is quoted for shipment. Bleached GUM ACACIA is offered at a lower price. JABORANDI is dearer, with supplies severely limited. The few odd bales of SARSAPARILLA recently available have now been sold. SEEDS are reported in better inquiry, and some price movements have been notified. Portuguese SQUILL is easier.

Ipecacuanha Root Licences

The Directorate of Medical Supplies has informed the Botanical Drug Importers' Section of the London Chamber of Commerce, 69 Cannon Street, London, E.C.4, that it is proposed to recommend import licences for a limited quantity of IPECAUANHA ROOT during the period ending September 30, 1945, and has asked the Section to arrange for its importation. The Section invites information from firms which, in the years 1936 to 1940, imported ipecacuanha root. On receipt of this information the Section will send qualified importers the necessary form of declaration on which to make a return of importations, and this will form the basis of recommendations to the Directorate.

Conditions in the OILS markets are again without change. High prices continue to be asked for ANISE (STAR) and PEPPERMINT. Java CITRONELLA remains scarce.

Pharmaceutical Chemicals

ATROPINE.—Makers' quotations are the following rates per oz.: ALKALOID 1 oz., 35s.; 4 oz., 34s. 6d.; 25 oz., 27s. 6d.; B.P.—1 oz., 28s.; 4 oz., 27s. 6d.; 25 oz., 27s. 6d. METHYL BROMIDE and METHYL CHLORIDE—1 oz., 6s.

BORAX.—Makers' current rates changed: B.P. quality, granulated 1 lb., £43; powder, £43 10s. one-cwt. bags, delivered carriage paid Britain in one-ton lots and upward commercial grades, £8 per ton less.

CAFFEINE.—Quantities of 7-lb.-2 lb. quoted per lb. as follows (supplies D.M.S. approval): ALKALOID, B.P., 27s.; SODIUM BENZOATE, 23s. 6d.; SALICYLATE, 23s. 9d. Tins extra when required.

DEXTROSE.—Current prices per lb. of 28-lb.-1 cwt., as are follows (contents in brackets): 1s. 2½d. (1-lb.); 1s. 1½d. (2-lb.); 1s. 0½d. (4-lb.); 11½d. (7-lb.); 11½d. (14-lb.); 3s. 5½d. (28-lb.). Prices net on delivery.

MAGNESIUM TRISILICATE.—Home prices per lb., for quantities of 28 lb. as follows (containers in brackets): 1s. 2½d. (1-lb.); 3s. 7½d. (4-lb.); 3s. 6½d. (7-lb.); 3s. 5½d. (14-lb.); 3s. 5½d. (28-lb.). Prices net on delivery.

PHENOLPHTHALEIN.—Current rates as follows: Less than 7 lb., 4s. 8d. per 4s. 7d.; 14 lb., 4s. 6d.; 28 lb., 4s. 5d. 4s. 4d.

THEOBROMINE.—The following pricing ruling: ALKALOID.—Smalls, 44s. 6d.; 7 lb.—28 lb., 43s. SODIUM SALICYLATE, 26s. 3d.; 7 lb.—28 lb., 25s. 3d. Tins extra supplied.

VANILLIN.—The agreed prices are as follows: 5 cwt., 21s. per lb.; 1 cwt., 56 lb., 21s. 6d.; less than 56 lb., 21s. 6d.

Crude Drugs

AOLES.—Quotations for Curaçao 1 oz., 32os. per cwt. Cape is readily taken offered.

ARECA NUTS.—Dealers continue wormy Ceylon at 9os. per cwt.

BALSAMS.—Peru is inclined to be spot at 7s. 9d. to 8s. per lb., duty paid; in good demand, price steady at 9s. 9d. and Tolu are unobtainable.

BELLADONNA.—Indian leaf may be on spot at 6s. 1d. to 6s. 3d. per lb., a test. Root is in meagre supply, low-testing material being available.

BENZOIN.—Spot supplies are exhausted.

BISMUTH.—Metal unquoted at 6s. 3d. for 5 cwt. lots. The market is fairly active.

—New crop is quoted at 5s. 3d. per lb.

MOMS.—Current spot prices are as Aleppy greens, 5s. 6d. per lb.; Aleppy red; split seed, 5s. 6d.

MOGRA.—*Hydnocarpus*, spot, in tins 1s. 9d. per lb.

M.—Mombasa, steady on spot at cwt.; no other varieties are available.

—Zanzibar, firm at 1s. 5d. per lb.; varieties are available.

EAL.—Silvers, shipment, 5s. 3d. per lb.

BUTTER.—Price is fixed at 1s. 5½d. ex factory or warehouse, except for those under Ministry of Food licence.

NTH. Spot price for fair white pulp 1s. 2s. 10½d. per lb.

LIS LEAVES.—Portuguese, steady on 40s. per cwt.; English-grown leaves, 1s. per lb.

—Any available supplies of good material would be worth 6s. 6d. per lb.

CACIA.—Kordofan cleaned sorts, spot, cwt.; bleached, spot, 175s.; Talha, 10s. per cwt., landed.

NE.—Indian, 250s. per cwt.; some material may be had at 60s. per ssian, 350s.; Egyptian (*muticus*), 75s.

NDI.—Spot supplies are small; price rather dearer at 6s. per cwt.

Y.—Official quotations range from to £69 15s. per flask, according to size and quality, with higher prices for standards and re-distilled grades.

g to a preliminary estimate of the United eau of Mines, production of mercury in the tes in 1944 amounted to 37,500 flasks, comprising 51,929 flasks in the previous year.

MICA.—Cochin, spot, steady at 37s. 6d. shipment, 31s. 6d., c.i.f.

RB.—Supplies of high-dried are ex- difficult to find. Some Shensi irregular may be had at 14s. 6d. per lb.

ARILLA.—All supplies now appear to be sold.

—Rather more inquiry has been during the past week, but generally remains quiet. Current rates are as

CORIANDER.—Practically no supplies at price nominal at 85s. per cwt.

Maltese, spot, 110s., buyers; Indian, 115s.

DILL.—London, 85s.; Liverpool, 110s.; 80s.; Liverpool, 72s.

MUSTARD.—Prices are unchanged.

Alexandrian medium pods are at 10s.; Tinnevelly, manufacturing grade, 10s.; hand-picked, 8½d. to 1s.; broken Indian leaves, 1s. 3d. to 1s. 4d.; siftings, Tinnevelly, No. 1, 9d. to 10½d.; No. 2, 1s.; No. 3, 5½d. to 6d.

—Indian, dried and sliced, 40s. to cwt., according to quantity. Portuguese at 80s. to 87s. 6d.

STRAMONIUM LEAVES.—Spot price of Indian leaves remains at 80s. per cwt.

STROPHANTHUS SEED.—Spot price of 100 per cent. Kombé seed is steady at 7s. to 7s. 6d. per lb., according to quantity.

TRAGACANTH.—Medium grades are quoted as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £40; brown leaf, £30; red-and-brown leaf, £25; red leaf, from £20; hoggy, £12 to £15.

TURMERIC.—While the spot price of sound Madras finger seems to be 75s. per cwt. in London, there are sellers at 65s. in Liverpool. Ground, 82s. 6d. per cwt., ex warehouse London.

VALERIAN ROOT.—Root is scarce, but powder ground from Indian root may be obtained on spot at 120s. per cwt.

WAXES.—BEES'.—Available in London at the following prices per cwt., delivered at store U.K., effective October 16, 1944, for ton lots: Madagascar crude, 20s. to 230s.; other sorts of crude, 238s. to 245s. (Calcutta sorts unavailable); British refined, 275s. to 305s.; British bleached slabs, 300s.; British bleached discs, 320s.; lots of under one ton, at premiums as follows: 10-20 cwt., 2s. 6d. per cwt.; 5-10 cwt., 5s. per cwt.; 1-5 cwt., 10s. per cwt.; under 1 cwt., at premiums as arranged by Association members at their discretion.

CARNAUBA.—Fatty grey, 525s. per cwt., ex store, in minimum one-bag lots; shipment, 410s., c.i.f.; Primeira, 540s. per cwt., ex store; shipment, 485s., c.i.f.; medium yellow, 525s.; shipment, 440s., c.i.f.; chalky grey, 500s.; shipment, 400s., c.i.f. (c.i.f. prices include ½ per cent. W.R.I.). CANDELILLA.—Under 1 ton, 220s. per cwt.; 1-5 tons, 218s. 6d.; 5 tons and over, 217s. 6d., ex store. OURICURL.—Spot, 325s. per cwt.; shipment, 282s. 6d., c.i.f.

Essential and Expressed Oils

ANISE (STAR).—The position is unchanged. For any small supplies in secondhands, approximately 165s. per lb. would be asked.

CASTOR.—"Firsts" are officially quoted at £82 per ton, and "seconds" at £80, both naked ex works, in bulk lots.

CITRONELLA.—Java, scarce at around 27s. 6d. per lb.; Ceylon, about 21s. per lb.

CLOVE.—No change in English distillers' prices at from 12s. 6d. to 13s. per lb., according to quantity.

EUCALYPTUS.—Oil containing 70 to 75 per cent. cineole would cost approximately 8s. 6d. per lb.

GINGERGRASS.—Spot, about 22s. 6d. per lb.

NUTMEG.—English distillers' quotations are unchanged at 35s. per lb. for oil from West Indian material.

RAPSEED.—Officially quoted at £88 per ton, naked ex works.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Tribute to Wholesalers

SIR.—The main purpose of this letter is to show appreciation of the services given to retailers by manufacturers and wholesalers alike in these troublous times. Years of pleasant business relationship with the many houses, whether drug, chemical, pharmaceutical or cosmetic, are further cause for the praise I would like to express for all the fairness and consideration shown in these unusual and difficult days. In spite of all the major troubles caused by air raids, fire, dislocation of traffic, and changing personnel, the suppliers have never failed to deliver the goods with reasonable regularity, reflecting the greatest credit on all concerned.

Yours faithfully

London, N.3. R. GARNETT PICKLES.

Remuneration for Dispensing

SIR.—Contractors under the National Health Insurance scheme will doubtless be following closely the negotiations between the National Pharmaceutical Union and the Ministry of Health over the requested increase of 50 per cent. in dispensing fees. It may be timely to remind pharmacists that the same authority will be considering our claims for adequate remuneration under the future National Health Service. No one can seriously question the utter inadequacy of the present remuneration, and yet the Ministry of Health, having first rejected our claim, now asks us to support the claim with figures showing the increase in wages being paid to our employees. Is there any justification for the opinion, apparently held by our leaders in pharmacy, that the introduction of the new N.H.S. will bring about a complete change of attitude in the Ministry of Health, and that the claims for adequate remuneration which we will then put forward will be recognised? While agreeing that a scale of fees cannot be fixed at this early stage, I protest against Mr. Linstead's suggestion that the question of remuneration must be dealt with late in the negotiations. If this policy is pursued we will find ourselves committed to a service, which, while depriving us of most of our present sources of income, will leave us with no means of ensuring an adequate return for that service.—Yours faithfully,

Totton, Hants. J. D. MALLINSON.

An Old-established Business

SIR.—I was interested to see the reference to my Appleby branch in the C. & D. recently. Your readers may be interested in some details of the premises, printed in our local paper at the time I purchased the business in 1938. The deeds of the property show that a Thomas Thompson, chemist and druggist, whose father purchased it in 1778, sold the property to a Thwaytes in 1838. I believe that in 1778 a George Thompson—brother of Thomas—had a bank in the building. The building is certainly about 250–300 years old, and there are in existence prescription books for the eighteen-forties. Although records exist as to the commencement of the business, it is presumed it has been in existence for over 100 years. Many of the older residents remember Mr. I. Long, in whose period the first sales of petroleum (lamp oil) took place in the shop; he also manufactured sheep dip in the early days of this commodity. Amongst the names in the books of this shop is the name of the late Duke of Teck.—Yours faithfully,

Penrith. CHARLES J. DIX

Slow-acting Antacids

SIR.—We have read with interest your editorial upon "Hyperacidity" (C. & D., January 20, p. 68). We agree with your comments in so far as the desirable properties claimed for magnesium trisilicate are concerned, but we must disagree with your remark that the slow reaction of neutralisation gives magnesium trisilicate "one great advantage over other antacids." For some years we have been interested in the use of colloidal aluminas for the neutralisation of excess gastric acidity, and have upon many occasions compared with samples of magnesium trisilicate proprietaries. We have found that the slow neutralisation, which extends the normal period of gastric digestion, is not, as implied in the text of your editorial, an exclusive property of magnesium trisilicate, but can be possessed to a more marked degree by the specially prepared colloidal aluminas. Furthermore, for equal doses of colloidal alumina and magnesium trisilicate, the former is capable of neutralising a larger amount of excess gastric acidity.—E. H. JOHNSON

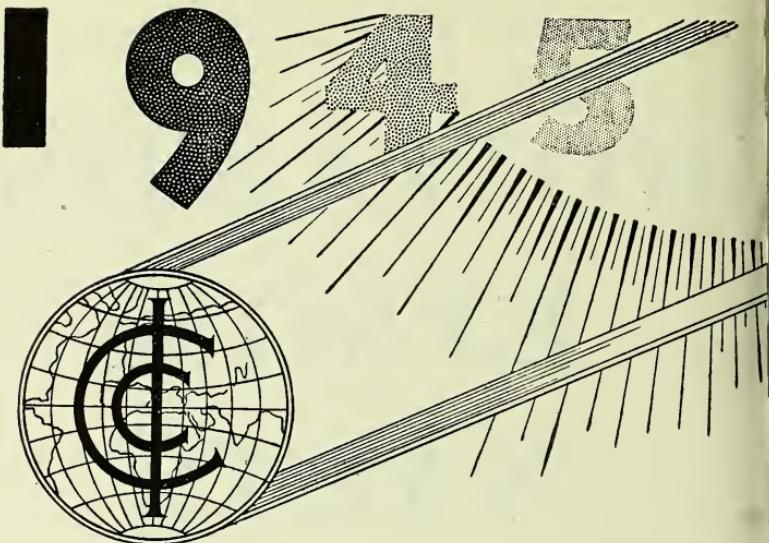
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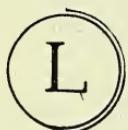
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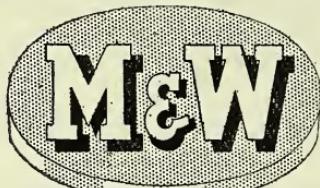
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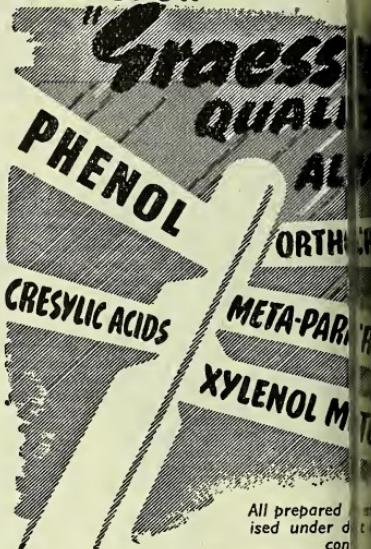
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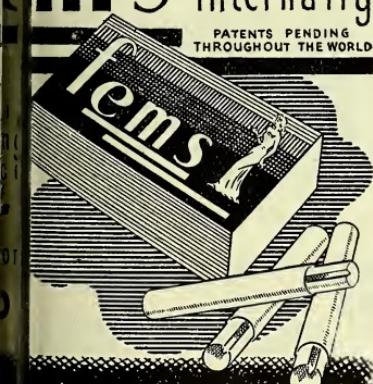
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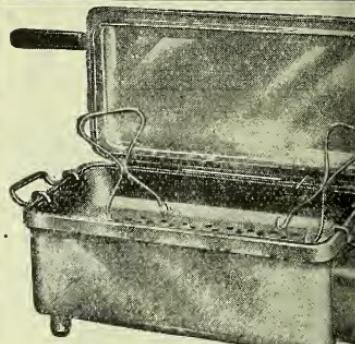
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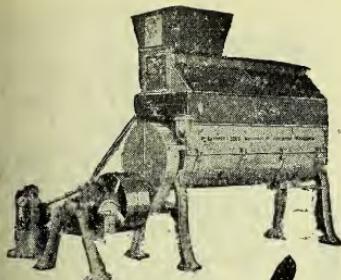


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"GRIPIGHT" FEDERS and FEED TEATS

We regret that the restricted production of these specialities prevents our supplying adequately.

LWIS WOOLF LIMITED
144 OAKFIELD ROAD
BIRMINGHAM 29

MITCHELL RAPID MIXING & STIRRING UNITS



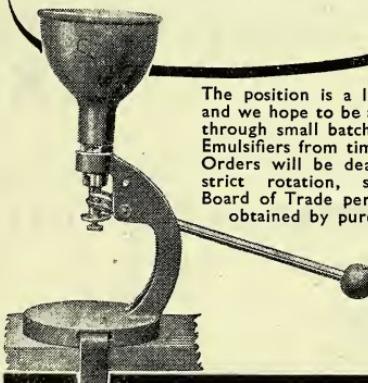
High and low speed electrically-driven models in sizes from one pint upwards to suit different vessels. Complete Mixing Vessels supplied, fitted with Portable Agitators

Write for full particulars

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37 PETER STREET
MANCHESTER 2

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Q.P. HAND & POWER EMULSIFIERS



The position is a little easier and we hope to be able to put through small batches of Q.P. Emulsifiers from time to time. Orders will be dealt with in strict rotation, subject to Board of Trade permits being obtained by purchasers.

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Emulsifying Wax VX, 8/6 lb., 7/6 lb., for Hair Cream.

Emulsifying Wax 0584, 12/6 lb., 10/6 lb., for Cold Cream, Vanishing Cream.

Perfume (Water spirit and Oil Soluble, various qualities).

VARIOUS STOCKS

Pea-sized Soda Crystals, Soda Sesqui-carbonate, LL/X, E.P., Gum Tragacanth, Stearic Acid, Waxes, Oils, -880 Liquid Ammonia, Petroleum Jelly, Glycerine, White Odourless Technical Oil Cosmetics, Raw Materials, etc.

Liquid Shampoo, Camomile, Coconut Oil and Pine Tar and Soft Soap. For resale or against Permit.

Colours. In Liquid and Powder form for all manufacturing purposes in small or large quantities

EMBOSSSED LABELS

Comprehensive selection, small or large quantities supplied.

Face Powder Boxes, Talcum Powder Boxes, Fancy Cardboard Boxes, Smart Lipstick Containers. Push-up and Plain. Slip-on Lid Tins, all sizes. Shampoo Envelopes and Inners. Glassware. Hair Cream Jars, etc.

Lists 3d. Sample Labels, 3d.

LEE-NARVILL LABORATORIES

Anlaby Road, HULL

LABELS OF

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FOR WHOLESALE MANUFACTURIN
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Medical and Dispensing Labels, Toilet, Cosmetic and Perfume, largest range of stock labels (attractive two-colour 50-60 wordings), Shampoo Powder Envelopes and Inners, also Saccharine Tablet Envelopes (new wording), with name and address. We can also offer multi-coloured advertising stamps in exclusive designs.

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special garments to measure
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50 years' service of
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Introducing WARM- WHITE

A NEW DEVELOPMENT
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FLUORESCENT LIGHTING

OUTSTANDING feature of the Mazda Fluorescent Lamp—introduced just before the war and since extensively used for industrial lighting—is that it provides illumination of approximately daylight quality. Now, after prolonged laboratory research, BTH is able to provide a new Mazda Fluorescent Lamp of sunlight quality. This is called Warm-White, and it retains all the advantages of the Mazda Daylight Fluorescent Lamp (three times as much light as the best tungsten filament lamp of similar rating, etc.).

Thus, by the introduction of this new Mazda Lamp, those who are planning for post-war can be assured of ideal lighting for every purpose.

Details of Mazda Warm-White and Daylight Fluorescent Lamps (and Mazdalux fittings) can be obtained from any BTH Office or Depot. Furthermore, the experience and technical resources of a complete Lighting Advisory Service are available to all interested in fluorescent lighting.

PRICE REDUCTION:

200-250 volts, (Daylight formerly 30/-)
80 watts. 5ft. Warm-White 24/-



FLUORESCENT LAMPS

Warm-White & Daylight

The British Thomson-Houston Co. Ltd.
Crown House, Aldwych, London, W.C.2
4041

Do you know THE LITTLE CHAP?



A remarkable Scientific Formula
produces this amazing NEW Cleaner

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Medium and large
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"LITTLE CHAP" needs little introduction to your customers. They know this amazing new product as the stain remover that knocks spots off every other cleaner. Points out that it banishes stains and smears of grease, oil, paint, tar, a trace, without discolouration or harm to delicate fabrics. Mention that it's non-inflammable, and non-evaporative, so more economical. Then see how "LITTLE CHAP" adds goodwill as well as good profits!

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A Fine Repeating Line . . .

After the first sale
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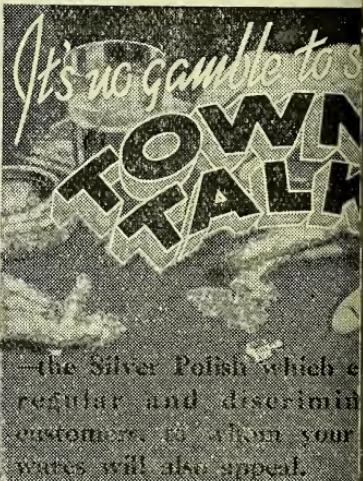
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the Silver Polish which a
regular and discriminating
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The CHEMIST AND DRUGGIST SUPPLEMENT

Supplement is included in every copy of Chemist & Druggist

28, ESSEX STREET, LONDON, W.C.2

FEBRUARY 17
1945

ent Advertisements must be prepaid and should reach us not later than FIRST POST WEDNESDAY of issue. Box Office numbers 1/- extra. Late advertisements will be held over to following week.

Chas. H. Phillips Chemical Co. LIMITED

CHAS. H. PHILLIPS CHEMICAL CO. LTD. will have, in the post-period, a number of vacancies available for Professional and Trade representatives.

Candidates are accordingly invited from both in civil life and the Services, are interested in this particular type of work, and are desirous of taking outside representation as soon as the situation permits.

Candidates should be qualified Pharmacists but consideration will also be given to qualified applicants who have had at least 5 years good retail pharmacy experience; age limits—26 to 35 years; possessing sound pharmaceutical and less knowledge, experienced car-

ers. Interested should apply for form R.I to—

Department

Chas. H. Phillips Chemical Co. Ltd.
179/181 Acton Vale, London, W.3

SITUATIONS OPEN

40 words or less, 2d. for every additional word.

ment of Women (Control of Engagements) Order 1942

certain exceptions, women over 18 and under 41 are seeking Employment and Employers seeking such women are now required to do so only at the local office of the Ministry of Labour and Service or an approved employment agency.

RETAIL (HOME)

TS Pharmacies (1933), Ltd., Wembley, Middlesex, are purchasing new businesses and offering the services of Managers for progressive firms. Excellent salary and bonus offered to men and energy.

FANT, qualified, for busy country pharmacy. Good house provided. Permanency, exempt from direction. Kirkman, New Mants.

BIRMINGHAM 23. Competent Qualified Branch Manager or Manageress required for family Business. Situated in a Birmingham Permanency, with good prospects. 597/465, London Office.

2 cwt. approx.	MAG. TSULPH. Exsiccated
3 cwt.	GELATIN Powdered
1 ton	SALT
½ ton	TALCUM POWDER
4 cwt.	MAG. CARB., HEAVY,
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	PHOSPHORIC ACID (May & Baker), also

I S/HD VERTICAL PIGMENT OR PAINT GRINDING AND MIXING MILL, "Saturn" type, c.i. enamelled body with hinged feed Hopper, 16 in. dia. at top × 16 in. deep; 2 flat Hard Porcelain grinding discs, 16 in. dia., with vertical spindle and starter. Under driven by bevel gearing through Worm Reduction Gear and a.c. Motor, 3 ph., 50 per cent. 440 volts, 1,500 r.p.m. with starter. Self-contained on steel base, 3 ft. × 2 ft. 6 in. Capacity of Hopper about 8 gallons. Output (white lead in oil) approx. 2 cwt. per hr. Speed of discs, 60 r.p.m.

I S/HD. BELT-DRIVEN DISINTEGRATOR by J. Harrison Carter. Size 1½, beater chamber, 22 in. dia., side feed 6 in. × 5½ in., bottom outlet pulley about 4 in. × 5½ in., up to about 3,000 r.p.m.

I S/HD SIMILAR MACHINE, Christie & Norris. Size 1½, 4½ in. sq. side feed, bottom outlet.

All inquiries to be addressed to:

PARKIN S. BOOTH

Kimberley House, Holborn Viaduct,
London, E.C.1.

BIRMINGHAM, Central. Century old business needs Pharmacist (with Homeopathic experience preferred) to take charge as working Managing Director. Salary and share of profits—also partnership might be arranged later—good prospects post-war. Apply by letter first to 597/459, C. & D. London Office.

BUXTON. Experienced Manager or Manageress required for Drug Store (due to call up). Comfortable post. Easy hours. Good salary. 597/466, C. & D. London Office.

CHRISTIAN secretary dispenser required. Dr. Cereseto, Hamilton, Buckingham. Phone: Buckingham 2116.

FULLY-QUALIFIED Chemist required by large Departmental Store in Birmingham. Must be exempt. 594/362, C. & D. London Office.

LONDON, S.E.7. Qualified Chemist required for Dispensing. Hours 10 a.m. to 1 p.m. 3 p.m. to 5 p.m. or by arrangement. Replies to Timmis & Kirk, Chemists, Beckenham.

ORRIDGE & CO., Employment Agency, Columbia House, Aldwych, W.C.2, invite inquiries from Pharmacists and Unqualified Persons requiring Situations, except women between the ages of 18 and 41. Progressive vacancies available. Excellent opportunities exist for Unqualified Assistants.

MANCHESTER—Drug Store. Competent Manageress required, references essential. Comtable post. Easy hours. Good salary. 597/467, C. & D. London Office.

QUALIFIED Assistant required with good display experience. Accustomed to good class trade. Permanency for reliable and trustworthy man. Generous salary. Apply 597/472, C. & D. London Office.

QUALIFIED Assistant required, for good-class Pharmacy, Dispensing and Counter work; male, permanency, good references, not liable for National Service. Apply: Philip Harris, Ltd., Edmund Street, Birmingham.

QUALIFIED Manager wanted. Duration only. London. 597/458, C. & D. London Office.

QUALIFIED Pharmacist for branch Pharmacy. Would suit elderly or retired lady or gentleman. Applications in writing, stating age and experience to Secretary, Portsea Island Mutual Co-operative Society, 110 Fratton Road, Portsmouth, marking envelopes "Pharmacist."

REQUIRED Qualified Manager, also unqualified Assistant, for Pharmacy Dept. in Departmental Stores in Bath. Exempt from Service. No Saturday afternoon or Sunday duties. Living accommodation available. Apply with full particulars to Cater, Stoffell & Fortt, Ltd., High Street, Bath.

ROYAL ARSENAL CO-OPERATIVE CHEMISTS, Ltd., invite applications from Qualified Pharmacists for the position of Manager; unqualified Assistants also required; good post-war prospects and holidays with pay. Apply in writing, stating age, experience, salary required, and position under the National service or Registration for Employment Order Acts, to the Superintendent Chemist, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

SURREY. Experienced, capable unqualified Assistant required immediately for Dispensing and Counter. Permanency preferred but temporary appointment considered. Staff of 6 kept. Apply giving full particulars as to age, experience, salary required, etc., to Masseys, 13 High Street, Guildford. Telephone 2277.

THOMPSON & CAPPER, Church Street, Sheffield, require experienced Unqualified Assistant. Capable dispenser and good at display. Permanency with good prospects.

UNQUALIFIED Assistant with good display experience accustomed to brisk counter trade, required for busy West End Pharmacy. Good salesman. Permanency for reliable and trustworthy man. Generous salary. Apply 597/471, C. & D. London Office.

WOLVERHAMPTON (nr.). Permanency for Qualified Manager (either sex), pleasant country town. Light retail and Dispensing. Three female assistants. Write 597/464, C. & D. London Office.

LOCUMS WANTED

QUALIFIED Locum required for two to four Weeks in summer (two shops). Two Assistants in each shop. Accommodation could be arranged. Particulars or salary, etc., to John Chattoe, Chemist, 10 Bell Green Road, Coventry. Ring 88922.

WHOLESALE

ACTIVE and enterprising Representatives (two) with sound connexion among wholesale and retail chemists. Required at once. (1) London; (2) West of England and South Wales. The lines are exceptionally attractive, sell on show and repeat on merit. Good commission offered and large income assured to the selected men. Write fully stating age, experience, car owner. 596/441, C. & D. London Office.

AGENT to sell cough and bronchial essence as additional line. High commission paid. Lancashire and South Wales areas preferred. Apply London manufacturer. 597/470, C. & D. London Office.

AGENTS wanted throughout England for of Pine disinfectants on commission expense basis. Write giving full particulars, connexion, and territory required. Box ZN.91, Deacons, 5 St. Mary Axe, E.C.3.

AREA Representatives required by Manufacture and Wholesale Chemists for Cloister tablets and coated pills and other products secured to right man. Good commission. J. E. Cross & Co., Ltd., 71 Houndsate, Nott.

ASHE LABORATORIES, LTD., Manufacture Chemists, require Representatives with established connexions among Retail and Wholesale Chemists. (1) Lancashire, (1) Yorkshire, (1) S.W. C. (1) N. London; first-class men only need permanent, with excellent post-war prospects. Full particulars, in first instance, to Pharsal Ashe Laboratories, Ltd., 120-2 Victoria London, S.W.1.

EXPERIENCED Sales Representative in London area for high grade toilet articles, one of them free of quota. Applicant must have first-class live connexion with Chemists and Commission basis if carrying other lines or sales commission if exclusive representation. Please apply if unable to fulfil above requirements. Box No. 944, Dorland, 18/20 Regent Street, W.1.

FIRM of toilet roll manufacturers seek representative to carry their line on commission. Berks, Bucks, Oxon, Beds, Essex, visiting accounts. Full details 596/451, C. & D. London.

LONDON and Greater London. Four salesmen required at present calling on retail for a first-class house, having no objection to carrying a very high grade speciality line. Commission, allocated territory. Write instance to Box 595, c/o Pool's, Aldwych London, W.C.2.

LONDON Manufacturing Chemists, leading require Representatives for London and established connexions with Chemists and dressers. Good prospects now and post-war. 597/461, C. & D. London Office.

MALE Counter hands required, with experience in Wholesale Drug Trade, and exempt service. J. F. Macfarlan & Co., Manufacture Chemists, 8 Elstree Way, Boreham Wood, Essex. **M**ANUFACTURING Chemist requires Representative for West, South, and London territory; applicants with connexion amongst Chemists in this territory especially favourable situation for energetic candidate. In first instance, to J. Goodman (Chemical Devonshire Works, Chiswick, W.4).

PHARMACEUTICAL Chemist required by North-West firm of Manufacturing Chemists. Must have experience in the manufacture of pharmaceutical and Medical specialities. Appropriate and permanent. State full particulars which will be treated with strict confidence. C. & D. London Office.

PHARMACEUTICAL house (London) Export Organiser. Duties include visits to supervise agents (and appoint where necessary). Pending this, interim period could be spent in gaining experience of products in home markets and preliminary organisation. Age 30 to 38 ideal. National Service permitting. Minimum initial £750, pensionable. Write Box 841, Spottiswoode House, Kingsway, W.C.2.

PILL Maker required for Manufacturing N.W. London. Permanent and progressive opportunity, should be over military age, or war service. State experience and wages required. 594/359, C. & D. London Office.

REPRESENTATIVE required on a commission basis by lively firm of Wholesale Chemists carrying good lines of Sundries, Cosmetics and Fancy Goods, for the following districts: Gloucestershire, Somerset, Herefordshire, Berkshire, Hampshire, and the districts of Glasgow and Ayr. 597/453, C. & D. London Office.

RECRUITED by Manufacturing Chemists, Warehouse Foreman with experience, progressive must be good staff controller and stock- State experience to 596/452, C. & D. London.

REPRESENTATIVES to call on Chemists with well-advertised proprietary medicines, covering, Cheshire, 2. Lancashire, 3. West Midlands, 4. Scotland, 5. Northumberland, Durham, 6. Westmorland. Write giving full particulars to experience, connexion (if any), age, etc. 4. C. & D. London Office.

Rubber Chemist required to take charge of production of small London factory manufacturing Rubber Solutions, Dyes and Wax Polishes, Ball & Co., Ltd., 39/51, Hazelhurst Road, S.W.17.

ETCH-MAKER required, fully experienced, capable of handling large output. Permanent gages and prospects for the right man. Should apply from military service. North of England 594/379, C. & D. London Office.

ETCH-MAKER and Coater for small plant, land district. 596/446, C. & D. London Office. DEALER required by Manufacturing Distributing Chemists for Midlands and North. Previous experience calling Chemists desirable not essential. Splendid scope energetic apply 597/469, C. & D. London Office.

Representatives, with outstanding interviewability, required by important Food Manufacturers to contact members of the Medical and Professions. The appointments will be of a permanent character and remuneration in accordance with experience. Applicants should be the age group of 35-45, one resident in the area and the other in Birmingham or North. Preference given to ex-service men. Previous experience is not essential, applicants have a real interest in Child Welfare work. 96/430, C. & D. London Office.

SITUATIONS WANTED

18 words or less, 1d. for every additional word.

RETAIL (HOME)

E Representative with strong connexion with Wholesale Chemists, Hairdressers, etc., Cheshire, Yorkshire and Scotland, desires additional with post-war possibilities on commission 596/439, C. & D. London Office.

wishes to contact large Store or Multiple with view to acting as Buyer in Perfumery, Fancy Goods and Pharmaceutical. Fully conversant with present-day needs. Excellent prospects for post-war trading, good connexions and contacts with all houses. Highest references available. 596/449 London Office.

PHARMACEUTICAL Chemist with Degree, interested in veterinary medicine and allied work, keen to hear from concern specialising in this, experienced and keen. Southern England 596/437, C. & D. London Office.

MANUFACTURER of Chemical Manufacture, control and Development work, seeks responsible post with established manufacturers. management or executive position with initiative. 596/438, C. & D. London Office. WAR Advertising: Publicist who, pre-war, conducted medical, pharmaceutical and "health" hygienic service, desires association with suitable C.D.B./365, C. & D. London Office.

REPRESENTATIVE of leading Manufacturing Chemists and Toilet House for twelve years, discharged from R.A.F., desires Representative in Southern England. 596/444, C. & D. London Office.

REPRESENTATIVE, Yorkshire, co. Durham, leading Chemists, Co-op. Societies, Stores, etc., change, high grade lines. Write full details. C. & D. London Office.

WELL-KNOWN Representative, 44, with excellent connexion leading chemists, South-west England and South Wales, requires additional Agency. Apply C.D.B./332, C. & D. London Office.

APPOINTMENTS

CITY OF PLYMOUTH

CITY GENERAL HOSPITAL (360 beds)

Applications are invited for the post of Pharmacist (male or female) at the City General Hospital. Applicants must be either registered as a pharmaceutical chemist or a druggist and chemist. Applicants with previous hospital experience preferred. Salary is at the rate of £405 per annum rising by £15 annually to £435 per annum, plus war bonus. Any other fees received by the officer must be refunded to the Council. The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and is terminable by three months' notice on either side at any time. The successful candidate will be required to pass a medical examination. Applications, stating age, qualifications and experience, together with copies of two recent testimonials should be sent to the undersigned as soon as possible.

Seven Trees,
Lipson Road, Medical Officer of Health.
Plymouth.

T. PEIRSON,

12/6 for 60 words or less, 1/- each additional 10 words or less.

MISCELLANEOUS SALES

12/6 for 60 words or less, 1/- each additional 10 words or less.

A FEW Hundred Gross 1-lb. Amber Malt Jars and 4-oz. Amber Round Bottles, complete with Screw Caps, to clear. Would sell the lot in one parcel or in smaller quantities. Samples and prices from 595/392, C. & D. London Office.

FOR SALE. 9 cwt. Soda Bromide, B.P. What offers? Write 596/450, C. & D. London Office.

METAL Caps for Jars. 500 gr. Green and 300 gr. Buff (55 mm.) for 4-oz. size. 1,000 gr. Buff and 500 gr. Blue for 1-oz. size. 800 gr. Lacquered for 1-lb. size. Also other miscellaneous sizes. Special prices to clear. Samples and prices on request. 595/391, C. & D. London Office.

SURPLUS Stock, 56-60 lb. "Tegin." What offers? Unsatisfactory offers will be declined and not replied to. W. Smith, Drug, Photographic and Veterinary Stores, 5 King Street, Alfreton (Derbs.).

TO CLEAR. 70 gross 4-oz. White Flint Hand-pressed Squat Pomade Jars, with Black Enamel Metal Screw Caps, and waxed paper wads. 40s. per gross, ex warehouse Huddersfield. C.D.B./366, C. & D. London Office.

EXPORT TRADE

AGENCY in Palestine, desirous of making contact with Manufacturers of Pharmaceuticals, Chemicals and Cosmetics for Representation as soon as circumstances permit. Terms, prospects, suggestions, etc., can be discussed at once with Representative in this country. 596/442, C. & D. London Office.

EXPORT AND IMPORT. Inquiries invited by firm closely associated pre-war with France, Belgium, Holland, from those interested in post-war business with those countries. Write 597/462, C. & D. London Office.

EXPORT. Registered Manufacturers wishing to make and sell goods for Export Markets are requested to communicate with Exporters at present sending goods to many countries. Marshall, Hoare & Co., Accountants, 22 St. George Street, W.1.

PREMISES WANTED

FACTORY Premises, about 5,000 sq. ft., all services, wanted, to Buy or Rent for Chemical Manufacture. Now or post-war. North London preferred. 595/388, C. & D. London Office.

WANTED

7/6 for 36 words or less, 2d. for every additional word.

BOTTLES 1 oz. wanted, cork or caps, any quantity
Also second-hand. 596/447, C. & D. London Office.

CINE Films wanted. 8 mm. Comedy or Travel
Feature films, any made in good Condition.
50 or 250 ft. Good prices paid. Offers to J. R. G.,
The Chemist & Druggist, 17 Argyle Street, Bath.

LARGE quantities of Perfume bottles, all sizes
from 1-drm. to 2-oz. readily bought for cash.
Good prices paid. 596/440, C. & D. London Office.

MACHINERY wanted. Steam-jacketed Mixer,
Capacity approx. 30 gallons. Preferably with
stainless steel or nickel-plated Inner. 595/408,
C. & D. London Office.

MESSRS. MOORE MEDICINAL PRODUCTS,
LTD., Aberdeen, Scotland, urgently require
any quantity of 1-oz. hexagonal Poison Bottles,
amber, blue or green.

METHYL ANTHRANILATE required—Please
send offers stating quantity available and
price to 597/456, C. & D. London Office.

TABLETING manufacturers wanted for tableting
small new tablets, quantities. 596/448, C. & D.
London Office.

TABLET bottles, Nos. 2, 5, and 7; also 4 oz.
bottles with screw cap, required in small or
large quantities, delivered London area. 597/454,
C. & D. London Office.

TORANTIL (BAYER) ampoules urgently required.
Offers to Medical Superintendent, Wonham
House, Bampton, N. Devon.

WANTED to purchase, Cameras, Enlargers, and
all photographic Apparatus, Exposure Meters,
Tripods, etc., Microscopes, Binoculars, Cine Cameras
and Projectors. Prompt cash and high prices offered.
Wallace Heaton, Ltd., 127 New Bond Street, London,
W.1.

WANTED ½-oz. cannon and ribbed oval bottles
and 1-oz. medicals. Offer in exchange 2 and
4-oz. pomades, 4-oz. medicals, 8-oz. limes or 2-oz.
tins. 596/443, C. & D. London Office.

WANTED, Bottles and Jars of any description
and quantity. 595/413, C. & D. London Office.

PARTNERSHIPS

A FIRM of Manufacturing Chemists operating in
South Wales are willing to offer a Partnership
to a Gentleman of sound character and business
ability. Travelling experience an advantage, as
successful applicant would be expected to take over
established connexion for a few months. Excellent
opportunity for person prepared to work hard for
a few years. Salary £400 p.a. and car supplied,
with of course percentage of profits. Investment
required, £750-£1,000. 597/455, C. & D. London
Office.

AGENCIES

7/6 for 36 words or less, 2d. for every additional word.

FRANCE. Light and heavy chemicals (Industrial
and Pharmaceutical), Drugs, Essential Oils,
Raw Materials for Perfumery. Frenchman specialist
of import trade for 25 years, well-known in French
consuming circles, is desirous to secure exclusive
agencies of first-class British manufacturers and
producers. Apply 597/468, C. & D. London Office.

MANUFACTURERS of nationally advertised dry
cleaner, 1s. and 2s. bottles and gallon cans,
require commission agents with established connexion
amongst Chemists, Multiple Stores, etc. Write giving
particulars of present agencies and commission
required, Box ZX.101, Deacons, 5 St. Mary Axe,
London, E.C.3.

MIDLANDS firm with complete Sales orga-
nisation with Chemists and allied trades would
take representation of one or two good P.
Warehouse and packing facilities available.
597/463, C. & D. London Office.

WE require one or two free-lance trav-
ers present calling on Cosmetic and Perfum-
facturers and similar, the larger Wholesale
and also exporters in this class of trade, et
will carry a very high grade speciality line
good commission. Write giving fullest parti-
Box 594, c/o Pool's, Aldwych House, London.

WHOLESALE and Distributing Chem-
ical connexions would be glad
from Manufacturers who have any supplies
for present and post-war business. Large
quantities. The Ausol Chemical Co., 28 Oxford
Manchester, 1.

BUSINESS OPPORTUNITIES

7/6 for 40 words or less, 2d. for every additional word.

FIRM of chemical Manufacturers in Lon-
don undertake a limited amount of Tube am-
filling. 597/460, C. & D. London Office.

LARGE company of Distributors and
turers with 30,000 accounts in the Che-
Grocery Trades will consider sole Dist-
including Invoicing and Collecting of acco-
additional lines possessing possibilities
turnover. Prepared to finance advertising
sary. 595/393, C. & D. London Office.

WANTED for Export razor blades, drugs, c.
toothbrushes, combs, culinary essen-
colours, 1 oz. and 1 lb. bottles, and all type-
metics. Tremendous quantities required.
to any port specified in the U.K. Please for
particulars. 597/474, C. & D. London Office.

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